CONSTRUCTION NEWS

Engineering News-Record, Feb. 25, 1926

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Passenger Station, Buffalo, N. Y., New York Central R.R. plans building, $12,000,000.

Apartment, New York, N. Y., Beresford Corp. having plans prepared, $3,800,000.

Schools, Atlanta, Ga., plans bond election, $3,500,000.

Mills, Buffalo, N. Y., Great Lakes Portland Cement Co. having plans prepared, $3,000,000.

Cement plant, Davenport, Ia., Dewey Portland Cement Co. plans plant, $3,000,000.

Road improvement, Brownsville and Cameron Cos., Texas, plan road improvement, $1,750,000 to $4,000,000.

Road work, Arkansas, State Hy. Dept. making preliminary plans, $2,500,000.

Sewers, Atlanta, Ga., plans bond election, $2,000,000.

Power and irrigation work, Austin, Tex., State Bd. Water Engineers making preliminary surveys, $2,000,000.

Electric Generating Plant, Brooklyn, N. Y., Brooklyn Edison Co. plans plant, $2,000,000.

Church, Hotel, and Theatre, Kansas City, Mo., Linwood Blvd. Christian Church having preliminary sketches made, $2,000,000.

Theater and office, Dallas, Tex., Loew's Theatres, Inc., plans building, $2,000,000.

Bridges, Miami, Fla., city voted bonds for 5 bridges, $1,800,000.

Hotel, Pittsburgh, Pa., Pittsburgh Pennsylvania Hotel Corp. having plans prepared, $1,500,000.

Apartment, Buffalo, N. Y., H. J. Cook, et al, having preliminary plans prepared, $1,225,000.

City Hall, Atlanta, Ga., city plans bond election, $1,000,000.

Temple, Hartford, Conn., St. John's, Hartford, Lafayette, Tuscan, Blue Lodges plan temple, $1,000,000.

Bids Wanted On Big Jobs

Flood prevention, Hidalgo Co., Hidalgo, Texas, takes bids soon for flood prevention, $1,620,000.

Levees, Cameron Co., Brownsville, Texas., soon takes bids, $1,500,000.

Courthouse, Bexar Co., San Antonio, Tex., Mar. 5, takes bids, $1,000,000.

Transformer plant, St. Louis, Mo., American Brown Boveri Co. purchased 10 acres and soon takes bids for building, $1,000,000.

Large Contracts Let During Week

Land development, St. Augustine, Fla., D. P. Davis Properties to Foundation Co., New York City, $8,000,000 to $10,000,000.

Office, San Francisco, Calif., Hunter-Dulin Co. to separate contracts, $3,000,000.

Office, theatre and stores, Brooklyn, N. Y., H. E. Witteman will build 14 story building; work done by separate contracts, $1,200,000.

PROPOSALS

For Proposals Advertised
see pages 132-138
Advertising Section

Bids Close		See Eng. News-Record
WATERWORKS		
Feb. 26	Dunkirk, N. Y.	Feb. 11
Mar. 1	Minneapolis, Minn.	Feb. 25
Mar. 1	Stockton, N. J.	Feb. 25
Mar. 1	Toronto, Ont.	Feb. 25
Mar. 2	Winona, Miss.	Feb. 18
Mar. 2	Baraboo, Wis.	Feb. 18
Mar. 3	Greenville, Tex.	Feb. 4
Mar. 3	Baltimore, Md.	Feb. 25
Mar. 4	McMinnville, Tenn.	Feb. 18
Mar. 5	Long Island City, N. Y.	Feb. 25
Mar. 5	Brooklyn, N. Y.	Feb. 25
Mar. 5	New York City, N. Y.	Feb. 25
Mar. 8	Saugerties, N. Y. Adv. Feb. 25.	Feb. 25
Mar. 8	Belle River, Ont.	Feb. 25
Mar. 9	Medford, Ore.	Feb. 25
Mar. 9	Detroit, Mich.	Feb. 25
Mar. 11	Milwaukee, Wis.	Feb. 25
Mar. 15	Crane, Mo.	Feb. 18
Mar. 15	Edmonton, Alta.	Feb. 25
Mar. 16	San Rafael, Calif. Adv. Feb. 25.	Feb. 25
Mar. 16	St. Louis, Mo.	Feb. 25
Mar. 17	Saugerties, N. Y. Adv. Feb. 25.	Feb. 25
Mar. 17	Wilmington, Del. Adv. Feb. 25.	Feb. 25
Mar. 26	East Paterson, N. J. Adv. Feb. 25.	Feb. 18
SEWERS		
Mar. 1	Clayton, Mo.	Jan. 28
Mar. 2	Jacksonville Beach, Fla. Adv. Feb. 4 to 25.	Feb. 4
Mar. 2	Waco, Tex.	Feb. 11
Mar. 2	Dickson, Tenn.	Feb. 18
Mar. 3	Baltimore, Md.	Feb. 25
Mar. 10	Waco, Tex.	Jan. 7
Mar. 15	Waco, Tex.	Jan. 21
Mar. 16	West Palm Beach, Fla. Adv. Feb. 18 and 25.	Feb. 18
Mar. 17	Wichita Falls, Tex. Adv. Feb. 25.	Feb. 25
BRIDGES		
Mar. 3	Phila., Pa. Adv. Feb. 18 and 25.	Feb. 18
Mar. 8	Mercer, Pa. Adv. Feb. 18 and 25.	Feb. 18
Mar. 9	Louisiana	Feb. 18
Mar. 9	Indiana	Feb. 25
Mar. 10	Alabama	Feb. 25
Mar. 12	Tennessee	Feb. 25
Mar. 16	South Carolina	Feb. 25
Mar. 18	Laverne, Okla.	Feb. 11
Mar. 30	Tampa, Fla. Adv. Feb. 25.	Feb. 25
Mar. 30	Louisiana Adv. Feb. 25.	Feb. 25
DAMS		
Mar. 15	Los Angeles, Calif.	Jan. 28
Mar. 23	Wellington, New Zealand	Jan. 21
EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR		
Mar. 2	Ft. Dodge, Ia. Adv. Feb. 25.	Feb. 25
Mar. 3	New York Adv. Feb. 18 and 25.	Feb. 18
Mar. 10	St. James, Minn.	Feb. 25
Mar. 12	New Jersey Adv. Feb. 25.	Feb. 25
STREETS AND ROADS		
Feb. 26	Kittanning, Pa.	Jan. 28
Feb. 27	Macomb, Ill. Adv. Feb. 25.	Feb. 25
Feb. 27	East St. Louis, Ill.	Feb. 25
Feb. 28	Indiana	Feb. 4
Mar. 1	Selma, Ala.	Feb. 11
Mar. 1	Birmingham, Ala.	Feb. 11
Mar. 1	Ebensburg, Pa.	Feb. 11
Mar. 1	Akron, O.	Feb. 18
Mar. 1	New Jersey	Feb. 18
Mar. 1	Greensburg, Pa.	Feb. 25
Mar. 1	Dayton, O.	Feb. 25
Mar. 1	Milwaukee, Wis.	Feb. 25
Mar. 2	Towson, Md.	Feb. 25
Mar. 2	St. Paul, Minn.	Feb. 25
Mar. 2	Omaha, Neb.	Feb. 25
Mar. 2	Booneville, Miss.	Feb. 25
Mar. 2	Stillwater, Okla.	Feb. 25
Mar. 2	Columbus, Miss.	Feb. 25
Mar. 2	Williamson, W. Va.	Feb. 18
Mar. 2	St. Louis, Mo.	Feb. 11
Mar. 2	Florida	Feb. 11
Mar. 2	Pennsylvania	Feb. 4
Mar. 2	Louisiana	Feb. 4
Mar. 2	Chilton, Wis.	Jan. 28
Mar. 2	Bedford, Ind.	Feb. 18
Mar. 2	Anderson, Ind.	Feb. 18
Mar. 2	South Carolina	Feb. 18
Mar. 2	Asbury Park, N. J.	Feb. 18
Mar. 2	North Dakota	Feb. 18
Mar. 2	Phila., Pa.	Feb. 25
Mar. 2	Colusa, Calif.	Feb. 25
Mar. 2	Santa Ana, Calif.	Feb. 25
Mar. 3	Camden, N. J.	Feb. 18
Mar. 3	North Dakota	Feb. 18
Mar. 3	Linden, Tex.	Feb. 18
Mar. 3	Anderson, Tex.	Feb. 18
Mar. 3	New Jersey Adv. Feb. 18 and 25.	Feb. 18
Mar. 3	Chicago, Ill.	Feb. 25
Mar. 3	Pittsburgh, Pa.	Feb. 25
Mar. 3	Milwaukee, Wis.	Feb. 25
Mar. 3	Idaho	Feb. 25
Mar. 4	Texas	Feb. 25
Mar. 4	Boston, Tex.	Feb. 18
Mar. 4	North Dakota	Feb. 18
Mar. 4	Corning, N. Y. Adv. Feb. 18 and 25.	Feb. 18
Mar. 4	Carthage, Tex.	Feb. 18
Mar. 4	Dayton, O.	Feb. 25
Mar. 5	North Dakota	Feb. 18
Mar. 5	Santa Rosa, Calif.	Feb. 25
Mar. 5	New York Adv. Feb. 18 and 25.	Feb. 25
Mar. 5	Texas	Feb. 25
Mar. 6	Lebanon, Ind.	Feb. 25
Mar. 8	Dickinson, N. D.	Feb. 11
Mar. 8	Muskegon, Mich.	Feb. 18
Mar. 8	Indianapolis, Ind.	Feb. 18
Mar. 8	California	Feb. 18
Mar. 8	Texas	Feb. 25
Mar. 8	De Kalb, Ill.	Feb. 25
Mar. 8	San Diego, Calif.	Feb. 25
Mar. 8	Los Angeles, Calif.	Feb. 25
Mar. 9	Maryland Adv. Feb. 25.	Feb. 25
Mar. 9	North Dakota	Feb. 18
Mar. 9	Rosedale, Miss.	Feb. 18
Mar. 9	South Dakota	Feb. 25
Mar. 9	North Dakota	Feb. 25
Mar. 9	Eagle Lake, Tex.	Feb. 25
Mar. 9	Quebec	Feb. 25
Mar. 10	Alabama	Feb. 11
Mar. 10	Birmingham, Ala.	Feb. 18
Mar. 10	Wash., D. C.	Feb. 18
Mar. 10	Delaware	Feb. 18
Mar. 10	North Dakota	Feb. 25
Mar. 11	North Dakota	Feb. 25
Mar. 11	Tuckerton, N. J.	Feb. 25
Mar. 12	Tennessee Adv. Feb. 25.	Feb. 25
Mar. 15	Anderson, Ind.	Feb. 25
Mar. 15	Summerville, W. Va.	Feb. 25
Mar. 15	Florida	Feb. 25
Mar. 15	Oklahoma	Feb. 25
Mar. 16	West Virginia	Feb. 25
Mar. 16	Louisiana	Feb. 18
Mar. 16	St. Louis, Mo.	Feb. 25

See proposal advertisements on page 132, Advertising Section.

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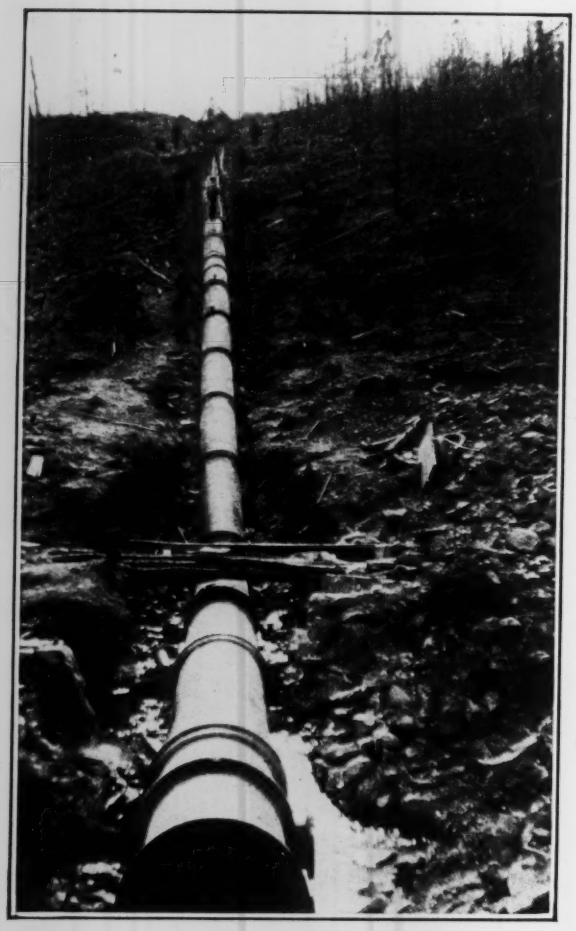
Registered U. S. Pat. Office



Section of 9 miles 30-in. and 36-in. pipe laid with LEADITE

LEADITE, like cast-iron pipe, has proven its durability.

LEADITE has been successfully tested and used for over 30 years for jointing all sizes of cast-iron bell and spigot water mains from 4 in. to 60 in. in diameter, under all pressures and conditions encountered in water-works construction.

Thousands of miles of pipe have been laid with LEADITE.

The most prominent water-works engineers, superintendents and contractors specify and use LEADITE on their work, because it is durable, economical and efficient.

LEADITE saves at least 75%.

LEADITE is the pioneer Self-Caulking Material for c.i. Pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids Close		See Eng. News-Record
Mar. 19	Winfield, Kan.	Feb. 25
Mar. 23	Pennsylvania Adv. Feb. 25.	Feb. 25
Mar. 25	Florida Adv. Feb. 18 and 25.	Feb. 18

BUILDINGS—INDUSTRIAL

Feb. 27	Phila., Pa.	Feb. 18
Mar. 1	Chicago, Ill.	Jan. 14
Mar. 2	Camden, N. J.	Feb. 25
Mar. 2	Watertown, Mass.	Feb. 25

BUILDINGS—COMMERCIAL

Feb. 27	Worcester, Mass.	Feb. 25
Mar. 1	Duluth, Minn.	Jan. 7
Mar. 1	Pensacola, Fla.	Feb. 11
Mar. 1	Williamsport, Pa.	Feb. 4
Mar. 1	Hot Springs, Ark.	Feb. 18
Mar. 1	Royal Oak (Ind. br. Detroit), Mich.	Feb. 18
Mar. 2	Columbus, O.	Feb. 11
Mar. 3	Newark, N. J.	Feb. 11
Mar. 3	Cleveland, O.	Feb. 25
Mar. 3	Middletown, Conn.	Feb. 25
Mar. 10	London, Ont.	Feb. 25
Mar. 11	Thiells, N. Y. Adv. Feb. 25.	Feb. 25
Mar. 15	Altoona, Pa.	Feb. 11
Mar. 15	Muncie, Ind.	Feb. 18
Mar. 15	Lankershim, Calif.	Feb. 25
Apr. 1	Lakewood (br. Cleveland), O.	Feb. 11
Apr. 1	Moline, Ill.	Jan. 14
Apr. 1	Youngstown, O.	Dec. 31

BUILDINGS—EDUCATIONAL, RELIGIOUS

Feb. 26	Quincy (Ind. br. Boston), Mass.	Feb. 18
Feb. 26	Framingham, Mass.	Feb. 25
Feb. 27	Milwaukee, Wis.	Feb. 25
Feb. 27	Phila., Pa.	Feb. 18
Feb. 28	Pittsburgh, Pa.	Feb. 25
Mar. 1	Milwaukee, Wis.	Feb. 18
Mar. 1	Newberry, Mich.	Jan. 28
Mar. 1	Melvindale (Dearborn P. O., R. F. D. 2), Mich.	Feb. 18
Mar. 1	Walpole, Mass.	Feb. 18
Mar. 1	Pasadena, Calif.	Feb. 25
Mar. 1	Pittsburg, Mo.	Feb. 25
Mar. 1	Bloomington, Ind.	Feb. 25
Mar. 2	Black River Falls, Wis.	Feb. 25
Mar. 2	Milwaukee, Wis.	Feb. 25
Mar. 2	Phila., Pa.	Feb. 25
Mar. 3	Baton Rouge, La.	Jan. 21
Mar. 3	Olympia, Wash.	Feb. 18
Mar. 3	Los Angeles, Calif.	Feb. 25
Mar. 3	Oakharbor, O.	Feb. 25
Mar. 3	Stamford, Conn.	Feb. 25
Mar. 3	Grand Island, Neb.	Feb. 25
Mar. 3	St. Louis, Mo.	Feb. 25
Mar. 4	Minneapolis, Minn.	Feb. 25
Mar. 4	West Haverstraw, N. Y. Adv. Feb. 18 and 25.	Jan. 21
Mar. 4	Daytona, Fla.	Feb. 18
Mar. 5	Polo, Ill.	Feb. 25
Mar. 8	West Pittston (Pittston P. O.), Pa.	Feb. 25
Mar. 8	Maplewood (br. South Orange), N. J.	Feb. 18
Mar. 8	Dayton, O.	Feb. 11
Mar. 9	Orange, Mass.	Feb. 25
Mar. 10	Valparaiso, Ind.	Feb. 25
Mar. 10	Danielson, Conn.	Feb. 25
Mar. 13	Lakewood (Cleveland P. O.), O.	Feb. 25
Mar. 15	Lewistown, Pa.	Jan. 21
Mar. 19	Dayton, O.	Feb. 25

FEDERAL GOVERNMENT WORK

Feb. 26	Dredging — New York, N. Y.	Jan. 28
Feb. 26	Tunnel, etc.—Phila., Pa.	Feb. 18
Mar. 1	Steel Work—Phila., Pa. Adv. Feb. 18 and 25.	Feb. 18
Mar. 1	Elevator—Wash., D. C. Adv. Feb. 4 to 25.	Feb. 4
Mar. 3	Hospital—Mare Island, Calif.	Jan. 21
Mar. 3	Compass Station—Cape Lookout (mail Beaufort), N. C.	Feb. 4
Mar. 3	Remodeling—Erie, Pa.	Feb. 18
Mar. 3	Dredging—South Boston (sta. Boston), Mass.	Feb. 18
Mar. 8	Post Office—Jackson, Mich.	Feb. 18
Mar. 9	Outlet Pipes—Oregon	Feb. 4
Mar. 9	Cement—Louisville, Ky. Adv. Feb. 11 to 25.	Feb. 11
Mar. 10	Post Office—Terre Haute, Ind.	Feb. 18
Mar. 12	Remodeling—Michigan City, Ind. Adv. Feb. 25.	Feb. 25
Mar. 15	Remodeling—Mobile, Ala.	Feb. 25
Mar. 15	Breakwater—Hilo, T. H. Adv. Jan. 21 to Feb. 25.	Jan. 21
Mar. 15	Dam—Louisville, Ky. Adv. Feb. 18 and 25.	Feb. 18
Mar. 17	Dredging—Toledo, O. Adv. Feb. 18 and 25.	Feb. 18
Mar. 22	Foundations—Dayton, O. Adv. Feb. 4.	Feb. 25
Apr. 1	Cruiser, etc.—Wash., D. C. Adv. Feb. 25.	Feb. 25

UNCLASSIFIED

Feb. 26	Subway—New York City, N. Y.	Feb. 18
Feb. 26	Culvert—Cleveland, O.	Feb. 18
Mar. 1	Lighting System—New York City, N. Y.	Feb. 18
Mar. 1	Fire Alarm System—New York City, N. Y.	Feb. 25
Mar. 3	Conduit—Baltimore, Md.	Feb. 25
Mar. 4	Subway—New York City, N. Y.	Feb. 25
Mar. 4	Lighting System—Chicago, Ill.	Feb. 25
Mar. 6	Heating, Ventilating, etc. — Indianapolis, Ind.	Feb. 25
Mar. 18	Lighting System—Gouverneur, N. Y.	Feb. 18
Mar. 23	Panels, Filters, etc.—Wellington, N. Z.	Jan. 21

MATERIALS

Feb. 27	Cement, Limestone Dust, etc.—Scranton, Pa.	Feb. 25
Mar. 1	Granite Blocks—Chicago, Ill.	Feb. 25
Mar. 2	Gravel—Logansport, La.	Feb. 18
Mar. 2	Creosoted Ties—Phila., Pa.	Feb. 11
Mar. 3	Crushed Stone, etc.—Freehold, N. J. Adv. Feb. 18 and 25.	Feb. 18
Mar. 3	Pitch—New York City, N. Y.	Feb. 25
Mar. 12	Cables, etc.—Evansville, Ind.	Feb. 25

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Lakewood—Voted $60,000 bonds, extending mains in various streets. L. L. Graham, 506 Winsor St., Jamestown, civil engr.

Ga., Atlanta—Election Mar. 24, $500,000 bonds, waterworks. W. Sims, mayor.

Ga., Decatur—Election Mar. 20, $60,000 bonds waterworks and $10,000 bonds, sewerage system.

Fla., Miami—Voted $600,000 bonds, additional pipe lines new filter plant, etc.; $375,000 bonds, pumps and equipment for high pressure water system; also $150,000 bonds, additional fire hydrants, etc. Noted Jan. 14.

O., Akron—A. S. Helpbringer, purch. agt. takes bids about Mar. 18, 1,000 tons 6- to 16-in. c.i. pipe, and 300 or 400 6- to 16-in. valves.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., soon takes bids 3,900 ft. 1 in. lead, and 43,900 ft. 2- to 14-in. c.i. mains, etc., in Grant Park and Lake Front extensions. L. White, ch. engr.

Ill., Grayslake—Village Clerk takes bids about Mar. 5, water and sewer extensions in various streets $25,000. Marr Green Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Kewanee—See "Streets and Roads."

Ia., Oskaloosa—Plans 500,000 gal. rein.-con. reservoir. $30,000. N. Wray, city clk. Engineer not announced.

Kan., Severy—Making preliminary plans waterworks. $50,000. Burns & McDonell, 401 Interstate Bldg., Kansas City, Mo., engrs.

N. D., Crosby—Plans waterworks. $20,000. O. Woolfrey, city aud. Engineer not announced.

Mo., Forsythe—Plans distribution system. $18,500. Alexander Eng. Co., Woodruff Bldg., Springfield, engrs. Noted Feb. 18.

Tex., Lisbon—Election Mar. 16, $65,000 bonds, complete waterworks, incl. 4- to 8-in. c.i. pipe, hydrants, etc. Dayton & Parker, 319 Wilson Bldg., Dallas, engrs.

Tex., Rochester — Making preliminary surveys complete waterworks. $40,000. Address Chamber of Commerce.

Tex., Stanton — Election soon $40,000 bonds, waterworks. Address Mayor.

Tex., Waelder—Plans waterworks. $35,000. Engineer selected soon. Address Mayor.

Okla., Clinton — Making preliminary plans new waterworks. $40,000. W. A. Shouse, city clk. Engineer not announced.

Okla., Norman — Making preliminary plans new pumping equipment, incl. diesel engine, motors, air compressor, 2 new wells, etc. $30,000. F. Cobb, Norman, engr.

Calif., Alameda — Plans pipe line, sprinkler system, pump, motor, etc., for Municipal Golf Course on Bay Farm Island. $25,000 or more. B. Hamilton, city engr.

Calif., Beverly Hills—Plans to purchase 3,000 ft. 8 and 10 in. riveted steel 12-gauge pipe. B. J. Firminger, city clk.

Calif., Burbank—Plans election $75,000 or more bonds, extending watermains and fire hydrants on various streets.

Calif., Santa Barbara—Making estimates steel pipe line with concrete supports from Mission tunnel portal of Gibraltar dam to Sheffield Reservoir. $100,000 or more. V. E. Trace, supt. Water Works.

Calif., Santa Barbara—Plans to purchase water mains. $50,000. V. E. Trace, city water supt.

Ont., Toronto—City Council plans 11,000 ft. 12 in. c.i. mains in Rosedale Area from South Dr. to Astley Blvd., from Glen Rd. to Schofield Ave. and from Roxborough Rd. to Summerhill Ave. $82,850. R. C. Harris, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn—Mar. 5, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Rockaway Parkway, Delamere and Elmore Pls., Dekalb, Forbell, Foster, Georgia and Livonia Aves., Avenues S and T, Ashford, Bradford, Glen, Wyona, 47th, 62nd, East 4th, 5th, 7th, 9th, 31st, 32nd, and 94th Sts., here.

N. Y., Long Island City—Mar. 5, by N. J. Hayes, comr., Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 22nd and 45th Drs., 22nd Rd., Hopkins, Washington, 60th and 38th Aves., Bliss, Van Horne, Vincent, 50th and 213th Sts., here. Noted Dec. 17.

N. Y., New York — Mar. 5, by P. J. Dooling, comr. Purchase, Municipal Bldg., c.i. pipe and special castings; also wet connection sleeves and valves, straight and flexible jointed c.i. pipe, etc. for Dept. Water Supply.

N. Y., Saugerties—Mar. 8, by Bd. Water Comrs., 46 Market St., 1,674 tons 6- to 16-in. c.i. pipe. J. F. Loughran, Kingston, engr.; adv. E. N.-R. Feb. 25.

N. Y., Saugerties—Mar. 17, by Bd. Water Comrs., 46 Market St., 5 mi. 16 in. c.i. pipe line. J. F. Loughran, Kingston, civil engr.; adv. E. N.-R. Feb. 25.

N. J., Stockton—Mar. 1, by Boro Council, 1 mi. 6 in. B and S mains, etc. in various streets. W. J. Ledger, boro clk.

Del., Wilmington—Mar. 17, by Bd. Water Comrs., 16th and French Sts., additional coagulating basin for mechanical filter plant. S. N. Van Trump, ch. engr. Fuller & McClintock, 170 Bway., New York City, consult. engrs.; adv. E. N.-R. Feb. 25.

Md., Baltimore — Mar. 3, by Bd. Awards laying mains and excavating trenches for Bureau Water Supply. V. B. Siems, City Hall, water engr.

Mich., Detroit — Mar. 9, by Bd. Water Comrs., Contr. 1, 41,892 ft. 6- to 12-in. mains in Mellon, Lowdell, Marshall, Fordale, Major, Lang, South Dearborn, Miami, Visger, Beatrice, Manning, Ethel, Bassett, Manning, Gleason, Dartmouth, Dumfries, Annabell, and Carbon Sts.; Contr. 2, 35,075 ft. 6- to 12-in. mains in Western Dr., Plymouth, Bonaparte, Tireman, Trinity, Sierra, Pierson, West Chicago, Braile, Patton and Fielding Sts.; Contr. 3, 36,590 ft. 6- to 16-in. mains in Horger, Piedmont, Grandville, Westwood, Bonaparte, Plainview, Minock, Sawyer, Tireman, Evergreen, Auburn and Warren Sts. G. H. Fenkell, 176 East Jefferson Ave., genl .mgr. Noted Oct. 29, Nov. 12, Dec. 10, 1925, and Jan. 28 and Feb. 4.

Wis., Milwaukee—Mar. 11, by Dept. Pub. Wks., R. Stoelting, comr., 1 vertical triple expansion crank and flywheel pumping engine, 25 m.g. capacity, in Riverside pumping station

Minn., Minneapolis — Mar. 1, by F. S. Gram, city purch. agt., four thousand ¾ in., two hundred 1 in. curb cocks and one hundred each ¾ in. and 1 in. inverted curb cocks; four thousand ¾ x ¾ in. and three hundred ¾ x 1 in. corporation cocks, etc. N. W. Elsberg, city engr.

Mo., St. Louis — Mar. 16, by Bd. Pub. Serv., 208 City Hall, four 650 hp. boilers, $105,000; 4 forced draft chain grate

See proposal advertisements on page 132, Advertising Section.

Where Traffic or Business Demands Quick-Hardening, Strong Concrete

Time is an important consideration on many sidewalk, paving and other jobs. Traffic or business often demands that the improvement be placed in service at the earliest possible moment.

For such work you can, with standard *Universal* cement, the same quality *Universal* you have always used, obtain quick-hardening, strong concrete in *3 days* by using simple methods that thousands of laboratory tests and actual construction experience prove will give the desired results.

Detailed information on this time-saving concrete made with standard *Universal* cement gladly furnished on request to

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland New York

Concrete for Permanence

Waterworks (Continued)

stokers, $40,000; two air preheaters, $20,000; coal and ash handling equipment, $68,000; all installed at new waterworks at Howards Bend, St. Louis Co. E. E. Hall, City Hall, dir.

Okla., Frederick — Taking bids 1 m. g. circular rein.-con. reservoir and storm sewer in various streets. $50,000. Benham Eng. Co., 512 Gumbie Bldg., Kansas City, Mo., engrs. Noted Nov. 26.

Ore., Medford—Mar. 9, by Water Comn., waterworks complete, incl. approximately 30 mi. 20- to 25-in. steel pipe and between 3,500 and 4,000 steel plates, etc. $1,000,000. D. C. Hebring, Spalding Bldg., Portland, engr.

Calif., San Rafael—Mar. 16, by E. R. Prentice, secy. Bd. Directors Marin Co. Municipal Water Dist., 468 4th St., supplying, also supplying and installing 7,346 ft. 30 in., and 29,504 ft. 26 in. welded steel pipe, in Marin Municipal Dist.; adv. E. N.-R. Feb. 25. Noted Aug. 20.

Ont., Belle River—Mar. 8, by M. Forget, village clk., waterworks, Constrs. C to G (inclusive) 20,000 ft. 6 in. c.i. pipe, valves, pumphouse, elevated tank, etc. $40,000. A. W. Connor & Co., Metropolitan Bldg., Toronto, engr.

Ont., London—See "Unclassified."

Ont., Toronto—Mar. 1, by F. B. Goedike, comr. Works, 40 Jarvis St., York Twp., 1,500 lengths 6 in. and 200 lengths 12 in. c.i. pipe, hydrants, valves, etc.; 25 tons ¾ in. and 7½ tons ⅝ in. lead pipe, 15 tons pig lead and 1¼ tons ½ and ⅜ in. copper pipe; cocks, etc.; sewer and waterworks c.i. covers; 1,250 tons 1 and 2 in. crushed stone; and 200,000 gal. road oil. $150,000.

Alta., Edmonton — Mar. 15, by City Comn., 9,480 lin.ft. 4- to 20-in. c.i mains, valves, 40,000 lbs. ¾ in. lead pipe, etc., for Dept. Waterworks. K. A. Blatchford, mayor.

BIDS RECEIVED

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Feb. 19, mains in Ely Ave., Sunswick, 47th Sts., etc. also in 60th Ave., Dartmouth St., etc. 2nd Ward, from Norton & Rigney, 137th St., Richmond Hill, $6,666 and $4,944 respectively. Noted Feb. 11.

Md., Baltimore—Mayor and City Council, electrical equipment for addition to Montebello Filters, from Hitt & Brown, 137 West Charlotte St., Norfolk, Va. $28,534.

CONTRACTS AWARDED

Pa., Easton—Lehigh Water Co., 7 m.g. reservoir, to J. S. McCormick Co., Easton, $150,000.

Fla., St. Augustine—See "Unclassified."

O., Cincinnati—Director Pub. Serv. 73,300 ft. 4- to 12-in. mains in various streets, to M. F. Quill, 409 Gerke Bldg., $84,946, engrs. est. $75,000; also 875 tons 4- to 12-in. c.i. pipe, to U. S. Cast Iron Pipe Co., Addyston, $49,000, engrs. est. $50,000. Noted Jan. 21 and Feb. 11.

Wis., Wauwatosa—Bd. Purchases, A. V. Brigham, secy., to H. W. Evans, 53 West Jackson Blvd., Chicago, Ill., 50 fire hydrants at $79 each; to Michigan Valve & Fdry. Co., 3631 Parkinson St., Detroit, Mich., fifty 6 in. gate valves $22.80, and twelve 12 in. gate valves $68.20; to J. B. Clow & Sons, 544 South Franklin St., Chicago, Ill., seventy-five 6 in. roadway boxes $5.45; to Rundle-Spence Mfg. Co., 55 4th St., Milwaukee, one thousand ¾ in. cocks at $0.63 each, three hundred ⅝ in. corporation cocks $0.55, one thousand 1 in. curb cocks $0.95, three hundred each ¾ in. stops $0.65, ⅝ in. $0.52 and ¾ in. stops $0.67, also six hundred each ¾ in. couplings $0.13 and ¾ in. couplings $0.20. Noted Feb. 11.

Mo., Republic—Complete waterworks and distribution system, incl. tank on tower, pumping equipment and several miles mains, to R. McSweeney, 555 North Division St., Springfield, $56,637.

Ore., Oswego—Waterworks, to C. E. Torkelson, c/o United Constr. Co., North West Natl. Bank Bldg., Portland, $33,642.

Calif., Wasco — Director Wasco Public Utility Dist., 100,000 gal. steel tank on 100 ft. tower, to Pittsburgh-Des Moines Steel Co., Rialto Bldg., San Francisco, $8,699. Noted Feb. 18.

Sewers

PROPOSED WORK

N. Y., Buffalo—Making preliminary plans 500 lin.ft. 8½ x 8¼ ft., rein.-con. sewer in New Bailey Ave. $25,000. C. E. P. Babcock, Municipal Bldg., engr.

Ga., Atlanta—Election Mar. 24, $2,000,000 bonds, sewers in various streets. W. Sims, mayor. Noted Jan. 21.

Ga., Decatur—See "Waterworks."

Mich., Royal Oak (br. Detroit)—Triangle Development Co., making plans 26,000 ft. 12 to 42-in. vitr. and concrete sewers, etc. in Huntington Woods Manor, Royal Oak Twp. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Alton—See "Streets and Roads."

Ill., Grayslake—See "Waterworks."

Wis., Appleton—Making plans 2 story, 72 x 225 ft., rein.-con. and brick, combined sewage disposal plant and garage, plain foundation, North Walnut St. $40,000. R. M. Connelly, City Hall, engr.

Ia., Boone—Takes bids in April sewage disposal plant with auxiliary equipment. $100,000. Currie Eng. Co., Webster City, engrs. Noted Jan. 14.

Tex., Alice—Making plans sewerage system. $50,000. J. H. Briggs, 2033 North Nueces St., San Antonio, engr. Noted Jan. 28.

Tex., Grapevine—Election Mar. 10, $30,000 bonds, complete sewerage system and disposal plant. F. J. Von Zuben, 611 Dan Waggoner Bldg., Ft. Worth, engr.

Tex., Runge—Election soon $30,000 bonds, sewers in various streets. Address A. C. Nusom, mayor.

California—Cities of Monrovia, Arcadia and Sierra Madre making surveys joint sewage disposal plant. To exceed $25,000. H. S. Gierlich, Monrovia, city engr.

Calif., Los Angeles — Made plans 8- to 12-in. vitr. sewer in Sawtelle Blvd. between Ohio and Pico Blvds., to exceed $25,000; also 29,558 ft. 6- to 10-in. cement sewer, etc., in 3rd and Santa Barbara Ave. Sewer Dist. J. C. Shaw, City Hall, city engr.

Calif., Oakland — Making plans monolithic sewer north end Key Route Fill west of subway, 3,500 lin.ft. long, ½ to be 3x6 ft. reinforced and balance 6x6 ft. rein.-con. box, all sewer on pile and timber foundation, also 300 to 400 ft. 6x14 ft. box sewer at outer end. W. W. Harmon, city engr.

Calif., San Fernando—Plans 8- to 18-in. vitr. or cement sewers in Sewer Dist. 1, portions of Porter Ave. and Reynolds St. To exceed $25,000.

Calif., San Francisco—See "Streets and Roads."

Calif., Sonoma — Plans election $35,000 bonds, extending sewerage system.

Calif., Ventura—Making plans 2,000 lin. ft. 18 in. wrought iron outfall sewer, in various streets, $40,000; also sewer screening plant to handle 50,000 people, $50,000. C. W. Pierce, city engr.

Calif., Victorville—Directors Victorville Sanitary Dist., rescinded contract lateral sewers in various streets. Noted Jan. 7.

BIDS DESIRED

Pa., Pittsburgh—See "Streets and Roads."

Pa., Pittsburgh—Taking bids 18- to 36-in. sewers in Phillips Ave. to Nine Mile Run. $42,000. City Dept. of Pub. Wks., City County Bldg., engrs.

Md., Baltimore—Mar. 3, by Bd. Awards, storm drains and sanitary sewers in Sewer Dists. G-2, G-13, and P-9 as listed in Storm Water Contr. 89. M. J. Ruark, 311 Courtland St., sewerage engr.

Ill., East St. Louis — See "Streets and Roads."

Ill., Winchester—Takes bids about Mar. 15, sewage disposal plant and 36,620 ft. 6- to 12-in. sewers, etc. in various streets. $68,624. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, Mo., engrs.

Tex., Wichita Falls—Mar. 17, by R. E. Shepherd, mayor, at office W. E. McBroon, city clk., sewage treatment works. Montgomery & Ward, 545 Harvey-Snider Bldg., consult. engrs.; adv. E. N.-R. Feb. 25.

BIDS RECEIVED

N. C., Charlotte—Bd. City Comrs., Feb. 16, sewers in various streets, from V. B. Higgins & Co., Charlotte, $38,969. Noted Feb. 4.

Wis., Milwaukee—Dept. Pub. Wks., Feb. 11, 118 ft. 72 in. storm sewers in Lake St., from Mierswa Constr. Co., 1619 Oregon St., Oshkosh, $6,438; and 4,815 ft. 8 to 30 in. vitr. sewer in St. Paul Ave. also 661 ft. 8- to 12-in. in 22nd St., from P. & L. Co., Edgewater Ave., $11,844 and $1,241 respectively.

Wis., Milwaukee—Dept. Pub. Wks., storm sewers in Sect. 4, 2,245 ft. 10 in. monolithic concrete pipe, from Wenzel & Henoch Constr. Co., 498 27th St., $204,582; Sect. 5, 26th St. between Brown St. and North Ave., from J. Brogan & Sons, 211 Grand Ave., $102,786; Sect. 6, 26th St. between North and Kilbourn Aves., Kilbourn Ave. between 26th and 27th Sts., and 27th St. between Kilbourn Ave. and Center St. from M. Synovitz, 944 2nd Ave., $138,217. Noted Feb. 4.

Calif., Los Angeles—From M. J. Simonovich, 727 Alpine St., sewer in Milton Ave. between Melrose and 3rd Sts. 32,659 ft. house sewers $1.35 per ft., cement sewer complete $29,972; from J. Chutuk, 5120 Huntington Dr., Burnside Ave. between 6th St. and Wilshire Blvd., 9,330 ft. house sewers $1.10, sewer complete $16,519. Noted Feb. 11.

CONTRACTS AWARDED

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, to W. H. Garson, 5033 Brown St., branch sewer in Fairhill St. $5,832, to Vettieri & Pontarelli, 523 Rising Sun Ave., Franklin St. $6,957, and Spencer St. $9,975; to A. D. Sandro & Son, 3906 North 5th St., 4th St. between Tabor Rd. and Clarkson St. $1,940, and 63rd St. between Dicks and Gibson Sts. $2,941, to H. H. Pizagno, 907 South 13th St., 48th St. between Chester and Springfield Sts. $5,570, M St. between Hunting Park and Lycoming St. $6,240, and Theodore St. between 69th and 70th Sts. $5,851, to V. S. Campellone, 812 West Venango St., Glenmore St. between 65th and 66th Sts. $3,840, Johnston St. between 18th and 19th Sts. $4,023, Ruth St. between Venango and Atlantic Sts. $3,362; to E. F. Bennis, 825 East Washington Lane, Grange St. $10,989, Opal St. between Church and Champlost Sts. $7,416, to A. Perna & Son, 752 South 10th St., Lauriston St. between Kingsley and Markle Sts. $8,664, to McIntyre Constr. Co., 6811 North Franklin St., Marshall St. between Johnston and Bigler Sts. $5,605, to Clifton Constr. Co., 131 East Berkley St., Clifton Heights, Sheridan St. between Johnston and Bigler Sts. $5,794, and to W. H. Yetman Co., Lincoln Bldg., drainage storm water culvert in 40th Ward, $128,130. Grand total $223,129.

Fla., St. Augustine—See "Unclassified."

Ill., Springfield — Trustees Springfield Sanitary Dist., West Side Intercepting Sewers, Div. 3, North Sect., 9,000 ft. 66- to 69-in. sewers, 5,650 ft. to be open cut, 560 ft. in fill, 600 ft. tunnel and 2,100 ft. trestle sewers, etc., to F. Schofner, Atchison, Kan., $269,264; Div. F, Tunnel Section, 7,700 ft. 57 in. intercepting sewers, 3,300 ft. to be in tunnel, 4,400 ft. in open cut, also connection with Bond St., Patton Ave. and Town Beach sewers, to H. C. Willadson Constr. Co., Springfield, $211,000; Div. G, Jacksonville Beach Sewers, 42,200 ft. 15- to 39-in. sewers, also Town Branch syphon and connections with Oakridge, Amos Branch, Oak Knolls, Country Club and other sewers, to Sangamo Constr. Co., Springfield, $312,500. Grand total $792,764. Noted Jan. 7.

Calif., Los Angeles—Rein.-con. storm drains in Melrose Ave. between Citrus Ave. and Poinsetta Pl., to Ballis & Petros, 1350 West 4th St., $26,680. Noted Dec. 24.

Waste Disposal

PROPOSED WORK

Fla., Miami—Voted $400,000 bonds, additional incinerators, etc. Noted Jan. 14.

Bridges

PROPOSED WORK

Ga., Atlanta—Election Mar. 24, $1,000,000 bonds, for viaducts. W. Sims, mayor. Noted Jan. 21.

Fla., Miami—Voted $1,800,000 bonds, 5 bridges, one at or near Northwest 2nd St., one Northwest 12th Ave., one Northwest 17th Ave., one Southwest 1st St., and other Southeast 2nd Ave., all over Miami River. Noted Jan. 14.

Tennessee — State Dept. Highways & Wks., Nashville, plans bridge over Wolf River, on Memphis-Bristol Highway, Shelby Co. To exceed $25,000. C. N. Bass, acting comr.

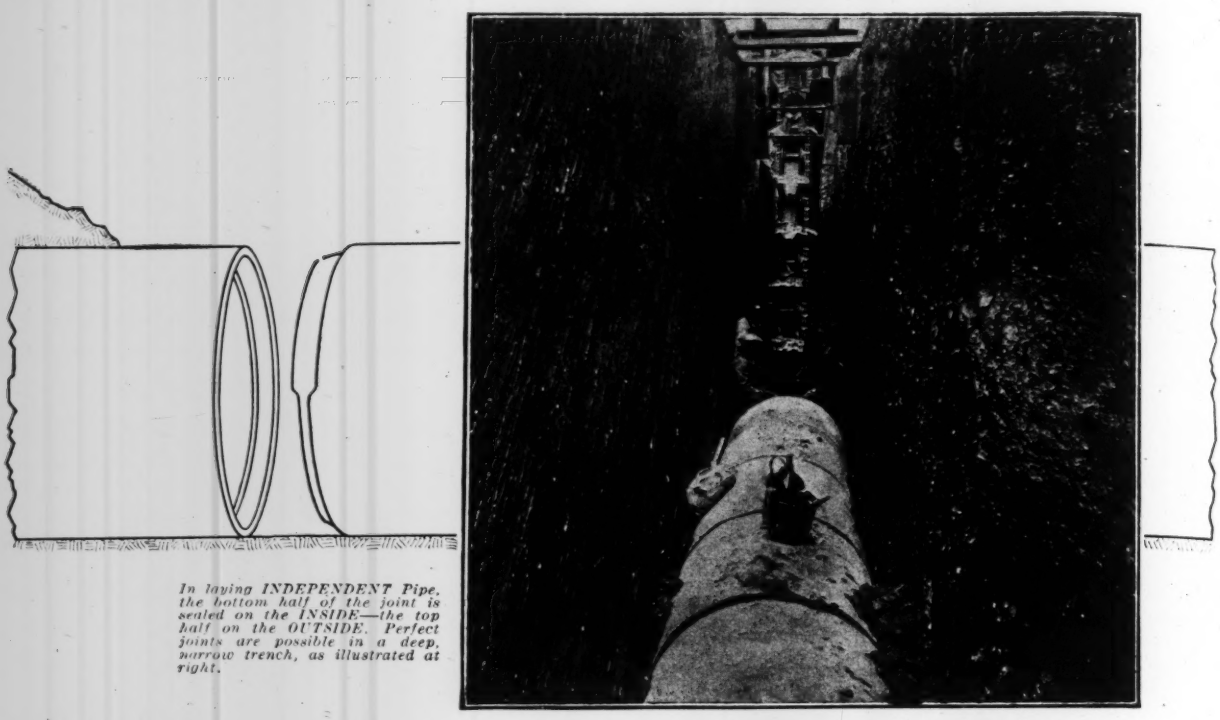
Tenn., Fayetteville — Lincoln Co. and State Dept. Highways & Pub. Wks., Nashville, plan bridge over Elk River, near here. County to appropriate $20,000 and State $40,000 towards cost. C. N. Bass, acting comr.

Tenn., Nashville—Davidson Co. election Aug. 4, $1,000,000 bonds, bridge over Cumberland River near Old Hickory.

Kentucky — State Hy. Dept., Frankfort, plans one 275 ft. steel and five 50 ft. concrete approach span bridge over Kentucky River at Camp Nelson, Jessamine and Garrard Counties, two 162 ft. steel and nine 40 ft. approach span bridge over Levisa Fork of Big Sandy River, Pike Co.; and two 124 ft. span steel deck girder bridge over Big Clifty Creek, Grayson Co., all above to have 20 ft. roadways. E. N. Todd, highway engr.

Montana — Mineral Co. (Superior), election Mar. 9, $55,000 bonds 3 main and 4 approach span approximately 425 ft. steel bridge. State Hy. Comn., Helena, engr.

See proposal advertisements on page 132, Advertising Section.



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INDEPENDENT CONCRETE PIPE CO., 202 N. West St., Indianapolis, Ind.

ENR. 2-25

INDEPENDENT
Reinforced Concrete Pipe

Bridges (Continued)

Ark., Fulton — State Hy. Dept., Little Rock, plans rein.-con. bridge, here. $500,000. R. C. Limerick, highway engr.

Tex., Abilene — Making plans rein.-con. and steel bridge over Raney and Lytle Creeks. $96,000. L. C. McCanlies, Abilene, co. engr.

Tex., Franklin—See "Streets and Roads."

Tex., Groesbeck — See "Streets and Roads."

Tex., Palestine—Anderson Co. (Palestine) and Cherokee Co. (Rusk) making plans 0.91 mi. timber pile bridge across Trinity River, here. $54,600. E. W. Davis, Palestine, co. engr.

Tex., Quanah—See "Streets and Roads."

Ont., Forest Hill—Plans 66 ft. concrete and steel bridge on Millbrook Ave. or Lonsdale Rd. $70,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto — City Council plans removing present bridge and constructing approximately 300 ft. concrete and steel bridge, on Huntley St. $127,000. R. C. Harris, City Hall, engr.

BIDS DESIRED

West Virginia—See "Streets and Roads."

South Carolina — Mar. 16, by State Hy. Dept., Columbia, one 180 ft. steel swing span bridge on reinforced concrete pile pivot pier across Santee River, Charleston-Georgetown Counties, on State Route 40, Federal Aid Project 39-B. State Highway Engineer, Columbia, engr.

Fla., Tampa—Mar. 30, by City Comn. at office city clk., City Hall, bridge over Hillsborough River, at Fortune St. R. D. Martin, city engr. Strauss Bascule Bridge Co., 307 North Michigan Ave., Chicago, Ill., consult. engr.; adv. E. N.-R. Feb. 25.

Alabama—Mar. 10, by State Hy. Comn., Montgomery, 240 ft. double leaf simple trunion bascule bridge being channel span of concrete bridge (now being constructed) across Tennessee River at Decatur, on State Aid Project 63, Limestone and Morgan Counties, 660,000 lb. structural steel, 25,000 lb. metal, 60,000 lb. operating machinery, 104,000 lb. c.i. balancing blocks, etc. W. A. McCalla, highway engr.

Louisiana—Mar. 30, by State Hy. Comn., Baton Rouge, Little River Bridge steel and concrete, and roadway approaches on Alexandria-Jena Highway, Federal Aid Project 164-B, LaSalle and Grant Parishes. W. B. Robert, Reymond Bldg., Baton Rouge, engr.

Tennessee—See "Streets and Roads."

Tennessee—Mar. 12, by State Dept. Highways & Pub. Wks., Nashville, **(S. A. P. means State Aid Project and F. A. P. means Federal Aid Project)**, 2 span 26 ft. earth filler rein.-con. arch bridge over Dry Fork Creek near Edenwold, S.A.P. 325-A, Davidson Co.; 2 concrete deck girder bridges and approaches over Little Trummel Creek and adjacent overflow channel, S.A.P. 127-C, also 2 concrete deck girder bridges and approaches over Lick and Bledsoe Creeks, S.A.P. 326-A, Sumner Co.; 5 rein.-con. bridges over 20 ft. span between Ellendale and Arlington, F.A.P. 36-C, Shelby Co.; 5 rein.-con. bridges over 20 ft. span between Union City and Kentucky State line, F.A.P. 64-A, Obion Co.; 3 rein.-con. bridges between Wartburg and Pilot Mountain, S.A.P. 300-C, Morgan Co.; 3 rein.-con. bridges over 20 ft. span between Morrison and Hawkins Co. line, S.A.P. 324, Hamblin Co.; 1 rein.-con. bridge over 20 ft. span between Etowah and Monroe Co. line, S.A.P. 322, McMinn Co. C. N. Bass, acting comr.

Indiana—Mar. 9, by J. D. Williams, State Hy. Comn., Indianapolis, **(S. R. means State Road, s.g. means steel girders, and s.t. means steel truss)**, two 84 ft. s.g. over Pennsylvania R.R. Traction, and two 150 ft. s.t. over County and Stucker Cr., on S.R. 1-D, Scott Co.

Ill., Chicago — Mar. 3, by South Park Comrs., 57th St. and Cottage Grove Ave., 432 ft. steel temporary bridge with 40 ft. roadway and 20 ft. walk, north of 11th Pl., L. White, ch. engr. Grant Park.

Neb., Bloomfield — State Hy. Dept., Lincoln, taking bids new 700 ft. concrete bridge buttressed by willow matresses over Niobara River, on Federal Aid Rd. 280-B, here. H. L. Cochran, Lincoln, state engr.

BIDS RECEIVED

Alabama—State Hy. Comn., Montgomery, Feb. 10, 425 ft. steel superstructure over Coosa River, State Aid Project 41, Cherokee Co., from Vincennes Bridge Co., Vincennes, Ind., $54,631, engrs. est. $61,567; 431 ft. bridge on Town Creek Rd., State Aid Project 101, Lawrence Co., from G. A. Thompson, Macon, Ga., $31,892, engrs. est. $32,532; 485 ft. bridge on Seale-Girard Rd., State Aid Project 50-B, Russell Co., from McCoy & Garrett, Lafayette, $31,193, engrs. est. $35,000; 1,800 ft. bridge on Federal Aid Project 150, Tuscaloosa Co., from Peterson & Ernhart, Montgomery, $77,928, engrs. est. $101,209. Noted Jan. 21.

Indiana — J. D. Williams, dir. State Hy. Comn., Indianapolis, **(e. e. means engrs. est.)** Feb. 16, bridge over Little Blue River, F. A. 58-B, Crawford Co., and one over Patoka River F. A. 58-D, Orange Co., Contr. 60, from Brown & Cunningham, English, $39,569 e. e. $41,170; bridge over Baltimore & Ohio R.R. tracks, F. A. 59 Sect. 3 Scott Co., Contr. 61, from J. F. Beggs & Co., Scottsburg, $29,386 e. e. $36,972; bridge over Otter Creek, F. A.-76-A1, and one over Spring Creek, F. A.-76-A2, Vigo Co., Constr. 62, from J. W. Dougherty & Sons, Framesburg, $52,112 e. e. $50,883; bridge over Lick Creek, F. A. 80, Fayette Co., Contr. 63, from Hoosier-General Constr. Co., Connersville, $7,932 e. e. $9,137; bridge over Indian Creek, S. 12 I-496, Owen Co., Contr. 64, from W. H. Grammer & Son, Evansville, $13,618 e. e. $14,659; bridge over Turkey Creek, S. 25-C-478, LaGrange Co., from J. E. Sweet & Sons, Woodburn, $8,697 e. e. $8,797; bridge over Plum Creek, S-31-E-399, and one over east branch Plum Creek, 31-E-400, Putman Co., Contr. 66, from Wasnidge & Leonard, Jasonville, $11,850 e. e. $13,396; bridge over Little Brady Creek, S-39-A-58, one over Lick Creek, 39-A-494, and one over Grassy Creek, 39-A-495, Marion Co., Contr. 67, from Kernodle & Fulwider, Lebanon, $22,093 e. e. $28,106. Noted Feb. 4.

Calif., Oakland—Supervs. Alameda Co.—Reconstructing steel bridge on Webster St. over Estuary, here, from J. H. Tillman, 310 East Cabrillo Blvd., Santa Barbara, $149,000 (complete in 120 days) and $134,000 (complete in 150 days). Noted Feb. 4.

CONTRACTS AWARDED

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, new 60 x 60 ft. steel and rein.-con. bridge under railroad tracks at Rising Sun Ave., to G. Dobbin, 1020 South 47th St., $90,320. Noted Feb. 4.

Florida — State Rd. Dept., Tallahassee, constructing 9 bridges between Bowling Green and Brownsville, Project 648-B, Hardee Co., to J. S. Walton & Co., Bradenburg, Ky. $75,662. Noted Jan. 14.

Fla., St. Augustine—See "Unclassified."

O., Cleveland—Cleveland Union Terminal Co., c/o O. P. and M. J. Van Sweringen, Marshall Bldg., piers 2,000 ft. steel and concrete bridge over Cuyahoga River, to J. Gill & Son Co., Bulkley Bldg., $500,000. Noted Aug. 20.

Ia., Sigourney—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, to Kelly & Underwood, Granby, three 20 ft. rein.-con. slab spans, etc. over McDougal Branch, Newton Co., $4,140; to R. M. Daviess & Son, Salisbury, one 30 ft. rein.-con. deck girder span, etc. over Pipes Creek, Howard Co., $6,057; to Graham Bros., Leeds, one 40 ft. rein.-con. deck girder span, etc. over Mams Creek, Audrain Co., $4,895; to K. MacFarland, Kansas City, three 45 ft. rein.-con. deck girder spans, etc. over Sulphur Creek, Howard Co., $13,096; to O. H. Schmidt, St. Joseph, four 20 ft. rein.-con. slab spans, etc. over Turkey Creek overflow $6,496, three 20 ft. rein.-con. slab spans, etc. over Turkey Creek $4,649, three 30 ft. rein.-con. deck girder spans, etc. over Elk Creek $10,430, and one 40 ft. rein.-con. deck girder span, etc. over Little Turkey Creek, $5,625, all foregoing in Linn Co.; to J. P. Sparks, Kirkwood, two 8 ft. rein.-con. slab spans, etc. over stream $4,941, two 25 ft. rein.-con. deck girder spans, etc. over Fraziers Creek $5,728, one 30 ft. rein.-con. deck girder span, etc. over Wards Creek $3,776, and one 40 ft. rein.-con. deck girder span, etc. over Bounds Creek $5,031, all foregoing in Wayne Co.; to Nevada Constr. Co., Nevada, two 10 ft. rein.-con. slab spans, etc. over stream $1,983, one 10 ft. rein.-con. slab span, etc. over stream $845, two 12 ft. rein.-con. slab spans, etc. over stream $2,077, one 60 ft. steel truss span, etc. over Robinson Creek $7,980, two 80 ft. steel truss and two 40 ft. rein.-con. deck girder spans, etc. over Clear Creek $22,358, all foregoing in Vernon Co.; to D. C. Horton, Fort Smith, Ark., two 10 ft. rein.-con. slab spans, etc. over stream $1,436, two 30 ft. and one 40 ft. rein.-con. deck girder spans, etc. over Panther Creek $5,393, both in St. Clair Co.; to M. E. Gillioz, Monett, two 8 ft. rein.-con. slab spans, etc. over stream $1,529, one 20 ft. rein.-con. slab span, etc. over stream $3,917, one 20 ft. rein.-con. slab span, etc. over branch of Turkey Creek $4,080, one 45 ft. rein.-con. deck girder span, etc. over Turkey Creek $6,453, one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc. over Bear Creek $7,824, all foregoing in Wayne Co., three 20 ft. rein.-con., slab spans, etc. over Castor River overflow $4,654, one 140 ft. steel truss span, etc. over Castor River, $14,232, and two 140 ft. steel truss spans, etc. over Castor River $28,177, all in Bollinger Co.; to R. H. Harper Constr. Co., Chillicothe, two 10 ft. rein.-con. slab spans, etc. over stream $2,326, fifteen 20 ft. rein.-con. slab spans, etc. over Big Parsons overflow $21,858, three 20 ft. rein.-con. slab spans, etc. over Hickory Creek $4,792, three 30 ft. rein.-con. deck girder spans, etc. over Big Parsons Creek $7,457, three 30 ft. rein.-con. deck girder spans, etc. over Little Parsons Creek $6,184, ten 20 ft. I-beam spans, etc. over Locust Creek overflow $9,334, ten 20 ft. I-beam spans, etc. over Locust Creek overflow $9,349, one 80 ft. steel truss and twelve 20 ft. I-beam spans, etc. over Locust Creek overflow $18,220, one 80 ft. steel truss and ten 20 ft. rein.-con. slab spans, etc. over Muddy Creek $20,543, one 80 ft. steel truss and four 20 ft. rein.-con. slab spans, etc. over Locust Creek overflow $15,415, and eight 20 ft. I-beam spans, etc. over Muddy Creek overflow $7,642, all foregoing in Linn Co.; to Finley Constr. Co., Nebraska City, Neb., one 80 ft. steel truss span, etc. over Contrary Creek, Buchanan Co., $9,904; to C. H. Atkinson Paving Co., Watertown S. D., one 20 ft. rein.-con. slab span, etc. over West Dog Creek, Daviess Co. $7,766, and one 72 ft. timber bridge on Sta. 225 plus 70, over No. 11, De Kalb Co., $1,495. Grand total $330,086. Noted Feb. 18.

Ark., Siloam Springs—See "Streets and Roads."

Tex., San Antonio—Bexar Co., 3 rein.-con. bridges one 215 ft. one 86 ft. and other 150 ft. long with two 125 ft. approaches, in Precinct 1, to Lehr & Aikin, 812 Builders Exch. Bldg., $75,185. Noted Jan. 7.

Okla., Mounds — State Hy. Dept., Oklahoma City, 2 span 116 ft. steel truss bridge on concrete piers, Creek Co.; here, 23 tons truss steel, 16.4 tons reinforcing, etc., to E. T. Fike & Co., Nebraska Bldg., Tulsa, $23,957. Engrs. est. $26,000. Noted Jan. 21 under "Oklahoma."

Dams

PROPOSED WORK

Tex., Austin—State Bd. Water Engineers, Austin, making preliminary surveys 1 large and several smaller dams on Colorado River, to produce power development and irrigation supply, above here. $2,000,000 or more. Address State Bd. Water Engineers.

Railways

PROPOSED WORK

Florida — City of Miami voted $350,000 bonds, extending tracks, etc. in Miami. Noted Jan. 14.

Saskatchewan—Canadian Natl. R.R. Co., 230 St. James St., Montreal, Que., soon takes bids 44 mi. track through Turtleford, $1,571,000; also for Dunblane-Central Butte Branch, $1,000,000. C. S. Gzowski, 230 St. James St., Montreal, Que., ch. constr. engr.

CONTRACTS AWARDED

Michigan — Dept. Street Railways, St. Jean and Shoemaker Aves., Detroit, H. U. Wallace, genl. mgr., 250 tons girder rail, to Lorain Steel Co., Johnstown, Pa., at $71 per ton, total $17,750.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Arkansas—Pocket Cypress D. D. 1, Pulaski and Jefferson Counties, making preliminary plans lateral ditches, No. 1, Daugherty Lake Old Levee Canal, 9,216 ft. long, incl. 16,560 cu. yd. excav.; No. 2, Daugherty Lake to Pike, 600 ft. long, 1,810 cu.yd. excav.; No. 2-A, 1,000 ft. long, 3,870 cu.yd. excav.; No. 3, 8,000 ft. long, 2,925 cu.yd. excav.; No. 4, 4,620 ft. long, 9,369 cu.yd. excav.; No. 5, 5,600 ft. long, 11,061 cu.yd. excav.; No. 6, 4,000 ft. long, 8,730 cu.yd. excav. E. M. Fever, chn.

Ark., Newport—D. D. 14, c/o Jackson Co. Court, making preliminary plans 200,000 cu.yd. excav. in drainage ditches, etc. Bowman-Morrow Eng. Co., 201 Court House, engrs.

Tex., Brownsville — Cameron Co. soon takes bids portion of levees, etc., along

See proposal advertisements on page 132, Advertising Section.

INDUSTRIAL

THE CRANE THAT STAYS YOUNG

THE ordinary crane ages rapidly. A regular diet of tough work and occasional doses of abuse, assure the average crane a hard life and sometimes a premature death. But the INDUSTRIAL type DC crawling tractor crane, shovel and dragline is a master of old age. Here's why:

All castings are steel. The shafts are of forged steel of ample size and are accurately ground. The gears are all accurately cut or ground and fitted by hand. All functions are controlled by large, easily-engaging friction clutches. Bronze collars are provided behind each bevel gear and the wearing surfaces of all thrust bearings are separated by bronze washers.

The tractor belts are made up of heavy, high carbon, heat treated, cast steel shoes of overlapping design, which present a smooth, continuous bearing surface to the ground. The rollers in the tractor belts are of the self-cleaning type. They are large, making the machine easier to propel. The large, wide roller path reduces internal stresses and strains to a minimum. A Zerk-Alemite high pressure lubricating system is supplied which provides for ample lubrication to all running parts.

There are no chains in the propelling mechanism. Two independent trains of spur and bevel gears lead from powerful friction controls to the tractor belts through two concentric vertical propelling shafts at the axis of revolution. The INDUSTRIAL gear drive is high up out of the dirt with ample clearance underneath, and the gears are designed to withstand the strains of full power application at any time. The operator controls the steering easily from his position on the machine.

You don't have to coddle INDUSTRIALS. Treat 'em rough,—they like it. All parts defy hard usage. They will withstand enormous strains. Owners are insured against breakage by crystallization, overwork, indigestion—everything except dynamite and violation of our directions as to operation.

Why not buy an INDUSTRIAL type DC.—a young crane that stays young? They are powered either with steam, gasoline, electricity or fuel oil engine of the Diesel or semi-Diesel type. We will consider it a pleasure to send you our booklets describing the type DC in detail.

Write us today

INDUSTRIAL WORKS

BAY CITY MICHIGAN

Excavation, Drainage, Irrigation, Levees, River and Harbor (Cont.)

Rio Grande River for flood prevention. $1,500,000 bonds available. W. O. Washington, Brownsville, engr.

Tex., Hidalgo—Hidalgo Co. soon takes bids portion of 150 mi. flood prevention project along Rio Grande River. $1,620,000 bonds available. P. S. Devine, Hidalgo, co. engr.

Tex., Rockport City—County Navigation Dist. soon takes bids 55,000 cu.yd. dredging, timber bulkhead, etc., in Aransas Co. $125,000. F. M. Percival, Rockport, engr.

Calif., Riverside—Moreno Mutual Irrigation Co., Citizens Natl. Bank Bldg., made plans 31,000 ft. 24 in. riveted steel and concrete pipe line, also 2,500 ft. short tunnel. G. G. Holyoke, 203 Citizens Natl. Bank Bldg., engr.

Calif., Terra Bella — Terra Bella Irrigation Dist., made plans 2,800 ft. 18 in. 14 gauge, 500 ft. 10 in. and 500 ft. 8 in. 16 gauge soil proof water pipe in district.

Ont., Westminster—Twp. Council making plans 7 mi. draining and dredging. $50,-000. F. W. Farncombe, Dominion Savings Bldg., London, engr.

BIDS DESIRED

New Jersey—Mar. 12, by Bd. Commerce & Navigation, State House, Trenton, redredging about 40,000 cu.yd. inland waterway from Cape May to Bayhead, Swains and Richardsons Channels, Cape May Co. V. Gelineau, dir.; adv. E. N.-R. Feb. 25.

New Jersey—Mar. 12, by Bd. Commerce & Navigation, State House, Trenton, V. Gelineau, dir., dredging from wharf at Leeds Point to point in Great Bay 600 ft. easterly from Oyster Creek, Galloway Twp., Atlantic Co.; adv. E. N.-R. Feb. 25.

Ia., Ft. Dodge—Mar. 2, by Bd. Supervs. Webster Co., cleanout of Drain 5, and laterals incl. 74,553 cu.yd. excav., etc. J. W. Martin, co. aud.; adv. E. N.-R. Feb. 25.

Minn., St. James—Mar. 10, by J. E. Setrum, aud. Watonwan Co., constructing Judicial Ditch 23, main line 9,750 lin.ft. 8- to 24-in. Branches 1 to 9 (inclusive) 19,050 lin.ft. 6- to 24-in. tile, etc. E. P. Meyer, I.O.O.F. Bldg., Mankato, engr.

BIDS RECEIVED

O., Cleveland—From Great Lakes Dredge & Dock Co., Williamson Bldg., dredging (1) Cuyahoga River (2) under and around bridges, (a) inner dump (b) outer dump, (1a) $58,500 (1b) $80,800, (2a) $12,710 (2b) $15,210. Noted Feb. 4.

CONTRACTS AWARDED

La., Shreveport—W. A. Kerley, secy. Caddo Levee Dist., Caddo Parish, improving drainage Black Bayou from Houston-Vivian Highway to Huckalogs Bridge, etc., to J. R. Johnson, Texarkana, Ark., at $0.14 per cu. yd., and $490 clearing mile. Noted Dec. 10.

Calif., Los Angeles—City Water & Power Comn., 500,000 cu.yd. canal excav., to Callahan Constr. Co., California Bldg., $0.14 per yd.

Streets and Roads

PROPOSED WORK

Conn., Hartford—Plans asphalt on concrete or concrete paving 5,000 ft. New Britain Ave. from Fairfield, to Newington Aves. $105,400, 2,000 ft., Elm St. from Main to Trinity Sts. $34,380, 2,000 ft. Blue Hills Ave. from Westbourne Parkway to Plainfield St. $30,250, 4,500 ft. Asylum St. from Woodland to Prospect Aves. $72,100, 2,000 ft. Franklin Ave. from Maple Ave. to Benton St. $44,400. R. N. Clark, Hartford, engr.

Conn., New Haven—Plans grading, paving, etc., Fitch St. from Hamden to Westville, 80 ft. $73,100. E. Nettleton, New Haven, city engr.

N. Y., Kenmore (mail Buffalo)—Plans concrete widening 5 mi. Elmwood and Kenmore Aves., 80 and 99 ft. To exceed $40,000.

New Jersey—Middlesex Co. (New Brunswick), plans improving 3 mi. Woodbridge-Rahway Reformatory Rd. $145,000. W. F. Buchanan, Perth Amboy, engr.

N. J., Bound Brook — Somerset Co. (Somerville), plans paving 4 mi. Easton Turnpike and Easton Ave., here. $190,000. O. Smith, Jr., Somerville, engr.

N. J., Phillipsburg — Warren Co. (Belvidere) plans improving 5 mi. Lincoln Ave. and Phillips-Belvidere Rd., here. $220,000. H. Vetter, Belvidere, engr.

Pa., Pittsburgh—Soon takes bids grading, curbing and paving Breckenridge St. between Reed and Morgan Sts., 38 ft. $68,-000. Dept. Pub. Wks., ch. engr.

Fla., Miami — Voted $3,200,000 bonds, widening and extending various streets. Noted Jan. 14.

Miss., Starkville—Oktibbeha Co. election Mar. 2, $450,000 bonds improving various roads.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 6 mi. Henderson-McNairy Co. line Rd., Chester Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans probably concrete paving 4.5 mi. Dyer-Rutherford Rd., Gibson Co.; improving 10 mi. Chattanooga-Cleveland Rd., Hamilton Co.; and 7 mi. Ellendale-Bartlett Rd., Shelby Co. C. N. Bass, acting comr.

Tenn., Nashville — Plans grading and macadam surfacing 4th, Dakota, 53rd, Nevada, Richland and Dudley Aves. To exceed $25,000. W. W. Southgate, City Hall, engr.

Tenn., Nashville — Davidson Co. plans grading and surfacing 8 mi. Belleview-Linton Rd. C. Akers, Court House, co. engr.

Kentucky — State Hy. Dept., Frankfort, rejected bids Feb. 8, grading, etc. 3.59 mi. Richmond-McKee Rd., Federal Aid Project 129-B, Madison Co.; and holding in abeyance grading, etc. 4.064 mi. Columbia-Greensburg Rd., Federal Aid Project 143-A, Adair Co. E. N. Todd, highway engr. Noted Feb. 18.

Kentucky — State Hy. Dept., Frankfort, takes bids probably in April, grading, etc. 11.5 mi. Hazard-Whitesburg Rd. Knott Co., 10 mi. Jackson-Hazard Rd. Breathitt Co., and 9.5 mi. Livermore-Beech Grover Rd., McLean Co.; grading and gravel surfacing 7 mi. Owensboro-Stanley-Ohio River Rd., Daviess Co.; surfacing 5 mi. Pacio-Pates-Ohio River Rd., Daviess Co.; reconstructing and surfacing 11.75 mi. Danville-Liberty Rd., Lincoln Co., and 11.5 mi. Maynesville-Germantown Rd., Mason Co., all 24-28 ft. wide. E. N. Todd, highway engr.

O., Akron—Plans grading, curbing, walks and vitr. brick paving 5,650 sq.yd. Gertrude St. et al., 22 and 24 ft. $44,400, 13,260 sq.yd. Inman St. 26 ft. $101 200 and 1,540 sq.yd. Fairbanks Pl., 13 and 18 ft. $21,800; grading, walks, sewers and vitr. brick paving 670 sq.yd. High St. alley, 14 ft., $6,300; grading, curbing, ornamental lighting system and vitr. brick paving 6,055 sq.yd. Bacon Ave., 24 ft. $38,900, 7,700 sq.yd. Sunset View and Stadelman Aves., 24 ft. $72,000. E. A. Kemmler, Municipal Bldg., engr.

O., Hamilton — Butler Co. made plans grading, gravel surfacing, etc., 3 mi. Hamilton-Lebanon Rd. $30,000, 6 mi. Hamilton-Richmond Pike Rd. $58,000, 3½ mi. Venice Rd. from Oxford-Millville Rd., northwest $27,000, 1¼ mi. Hamilton-Lebanon Rd. $18,000, all 18 ft.

O., Parma (Cleveland P. O.)—Cuyahoga Co. (Cleveland) making plans and takes bids in summer paving Albertly, Bradley, Charles, Luelda, Maplecrest, Theota, Tuxedo, Velma, Walters and Wilbur Aves., Belmore, Buckingham, Chestnut Hills, Forestwood, Grantwood, Hollywood, Manchester, Maplecrest, Renwood, Sheraton and Southington Drives, Allanwood, South Canterbury and Stanbury Rds., here, $1,-228,000; also takes bids soon sidewalks on above streets, $80,000. R. F. MacDowell, 1770 East 11th St., Cleveland, engrs.

Mich., Detroit—Making plans 3½ in. sheet asphalt on 8 in. concrete paving 6,800 sq.yd. Charest Ave. $33,980, and 3,400 sq.yd. Dickerson Ave. from Canfield to Warren Aves. $18,190, both 30 ft.; 2,500 sq.yd. Eureka Ave. $12,600, 800 sq.yd. Delta Ave. $2,420, and 3,600 sq.yd. Caldwell Ave. $17,-640, all 28 ft.; also 20,100 sq.yd. Dickerson Ave. from Warren to Harper Aves., 50 ft., $92,500. P. A. Fellows, City Hall, engr.

Ill., Alton—Soon takes bids grading, curbing and concrete paving Belle St., $40,795; also sewers in Adams Court, Dists. 1 and 2, $5,764. J. E. Schwaab, City Hall, engr.

Ill., Chicago—South Park Comrs., 57th St. and College Ave., soon takes bids asphaltic concrete paving 21,000 sq.yd. 11th St. to 16th St., and 16th St. to South Parkway, and 40,000 sq.yd. concrete walks, all in Grant Park; also resurfacing, etc. for Soldiers Field (Stadium). L. White, ch. engr.

Ill., East Alton — Making preliminary plans grading, curbing, guttering and 7½ in. concrete paving 21,770 sq.yd. Bway. and Main St. $75,000. Shepard & Morgan Eng. Co., Bank of Edwardsville Bldg., Edwardsville, engrs.

Ill., East St. Louis—Takes bids on or about Apr. 1, curbing and 8 in. concrete paving 20,650 sq.yd. 16th St., $98,100, and curbing and rein.-con. paving 3,860 sq.yd. 42nd St., $21,500. W. McK. Brown, City Hall, engr. Noted Jan. 7.

Ill., East St. Louis — Soon takes bids asphalt on concrete resurfacing 10 blocks St. Clair St. $70,000. W. McK. Brown, City Hall, engr.

Ill., Geneva—Takes bids in Spring grading, curbing and asphalt paving 85,000 sq.yd. various streets. $300,000. Wells Eng. Co., Geneva, engrs.

Ill., Grayslake—Village Clerk takes bids about Mar. 5, concrete paving 26,000 sq.yd. various streets. $135,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs. Noted Oct. 29.

Ill., Kewanee—Takes bids in April grading, curbing and hardsurfacing 20,750 sq.yd. various streets, $96,701; also takes bids in April or May 6,000 ft. 6 in. mains in various streets; $12,297. J. G. Palmer, City Hall, engr.

Ill., Mount Carmel — Wabash Co. takes bids in spring grading and gravel surfacing 22 mi. Road Dist. 2 and Lancaster Rd., 22,000 cu.yd. river gravel, etc. $54,-000. D. A. McClung, supt. County Highway Dept.

Ill., Pana—Takes bids probably in spring, curbing and concrete paving various streets. $50,000.

Iowa—State Hy. Dept., Ames, takes bids about Mar. 2, grading 7.9 mi. Road 9 from Waukegan west Allemakee Co., 3.4 mi. Road 2 from Wiota to Atlantic Cass Co., 3.13 mi. Road 8 from Osceola west and 1.77 mi. Road 8 from Lucas Co. line west, Clark Co.; grading 1 mi. and gravel surfacing 24.7 mi. Road 2, Mahaska Co.; gravel surfacing 6.5 mi. Road 7 between Guthrie Center and Panora Guthrie Co., 18 mi. Road 20 Jackson Co., 9.4 mi. Road 28 from Monticello to Cascade Jones Co., 10 mi. Road 2 from Sigourney west Keokuk Co., 13 mi. Road 2, Marion Co., and 10 mi. Road 8 from Creston to Afton Union Co.

Ia., Ames—Takes bids in spring grading, curbing and various types paving 80,000 sq.yd. various streets. P. F. Hopkins, City Hall, engr.

Ia., Clinton—Clinton Co. voted $1,000,000 bonds, surfacing various roads. E. B. Lorenzen, Clinton, co. engr.

Ia., Iowa City—Johnson Co. voted $1,-500,000 bonds paving 38 mi. and graveling 130 mi. various roads. G. M. Griffith, Iowa City, co. engr.

Kan., Erie — Neosho Co. plans grading, etc. 0.06 mi. Federal Aid Project 308-A, and 7.67 mi. same road Sect. B. C. P. Donald, Erie, co. engr.

S. D., Aberdeen — Plans paving various streets and alleys. $30,533.

S. D., Aberdeen—Comrs. Brown Co. plan gravel surfacing Bath—Stratford Rd., approximately $40,000; and grading Frederick-McPherson Co. Line Rd., approximately $25,000.

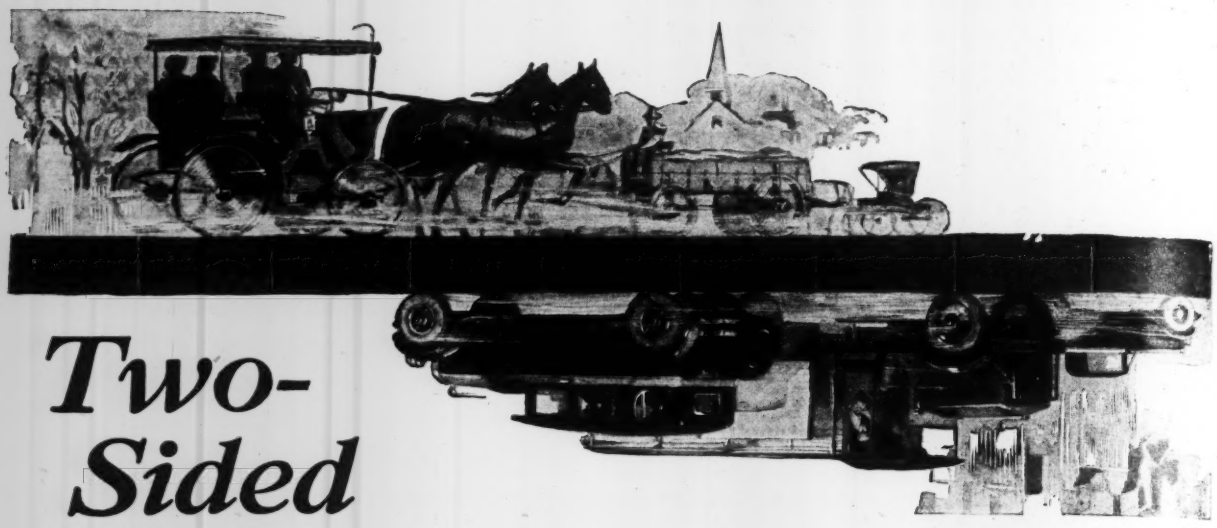
Missouri—State Hy. Dept., Jefferson City, making plans grading 7.242 mi. road from Fulton north Callaway Co., 4.5 mi. road from Albany east and west Gentry Co., 16.743 mi. Butler-Nevada Rd. Bates Co., 4.554 mi. roads from Lamar east and west Barton Co., 17.077 mi. roads from Kirksville north and south Macon Co., and 5.803 mi. same road Adair Co., also 10.09 mi. road from Princeton north and south, Mercer Co.; 30 ft. grading 4.5 mi. road from Warrensburg north Johnson Co., 9.7 mi. Clever-Nixa Rd. Christian Co., 2.596 mi. roads from Houston north and south Texas Co., 2.692 mi. road from Ava east and west Douglas Co., and 4.2 mi. Eminence-Salem Rd., Shannon Co.; 18 ft. gravel surfacing 8.5 mi. roads from Canton north and south, Lewis Co., 5.342 mi. road from Bolivar south Polk Co., 9.524 mo. road from Ava east and west Douglas Co., 4.5 mi. Salem-Ironton Rd., Iron Co., also 4 mi. West Plains-Gainesville Rd. and 16.786 mi. road from West Plains north and south, both Howell Co.; 9 ft. concrete paving 17.077 mi. road from Kirksville north and south, Macon Co. and 5.803 mi. same road Adair Co., also 9.171 mi. road from Princeton north and south, Mercer Co.; 18 ft. concrete paving 7.242 mi. road from Fulton north Callaway Co., 4.5 mi. road from Albany east and west Gentry Co., 16.743 mi. Butler-Nevada Rd., Bates Co., and 4.554 mi. road from Lamar east and west, Barton Co. B. H. Piepmeier, ch. engr.

Arkansas—State Hy. Dept., Little Rock, making preliminary plans grading, graveling, hardsurfacing, etc. 140 mi. various roads in Jefferson Co., $2,500,000; and reconstructing 1 mi. Conway-Damascus Rd. through Cardon and Beaver Form bottoms, 12 ft., Pulaski Co. R. C. Limerick, highway engr.

Ark., Ft. Smith—Postponed election Feb. 10, $500,000 bonds, paving South 7th, 8th, 10th and 12th Sts. E. Henderson, city clk. Noted Dec. 31.

Ark., Helena—Making preliminary plans and takes bids about Apr. 12, grading, curbing and paving Ohio St. from York to Walker Sts., Cherry St. from Perry to Walker Sts., Pecan St. from Perry to Walker Sts., Pecan St. from York to Poster Sts., Franklin St. from Miller to Donough

See proposal advertisements on page 132, Advertising Section.



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FIRST a generation of trouble-free service from one surface, then lifting and replacing *"bottom-side up"* on a renewed base, and fifteen to twenty-five years more resistance to traffic —*that's* just one of the reasons why vitrified brick asphalt-filled, makes the most economical pavement a community can select.

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OUTLAST THE BONDS

NATIONAL PAVING BRICK MANUFACTURERS ASSOCIATION, ENGINEERS BLDG., CLEVELAND, OHIO

Streets and Roads (Continued)

Sts., York St. from Walnut to Pecan Sts., Rightor St. from Ohio to Pecan Sts., Porter, Perry and Miller Sts. from Ohio to Cherry Sts., Mc.Donough St. from Ohio to Franklin Sts., McDonough St. from Columbia to Poplar Sts., and Walnut St. from Perry to McDonough Sts., Imprt. Dist. 16. To exceed $25,000. L. R. Parmelee, Helena, engr.

Tex., Anson — Jones Co. making plans gravel surfacing 17.8 mi. Highway 93. $74,000. J. W. Puckett, Stamford, engr.

Tex., Brownsville—Cameron Co. making plans improving 4 roads, from Brownsville to Los Fresnos; to Willacy Co. line; to Point Isabel; to Boca Chica and all rural communities from present paved roads. $1,750,000-$4,000,000. W. O. Washington, Brownsville, co. engr.

Tex., Eagle Lake—Making preliminary plans concrete paving 11 blocks various streets. $60,000. B. H. Faber, Eagle Lake, engr.

Tex., Hereford — Voted $67,000 bonds, paving 40-50 blocks various streets. Address E. S. Ireland, mayor.

Tex., Franklin — Roberton Co. making plans grading, bridging and bituminous macadam paving 9 mi. State Highway 6 between Calvert and Hearne, 18 ft. $200,000. L. A. Peterman, Hearne, engr.

Tex., Groesbeck—Limestone Co. making plans grading, bridging and 9 in. waterbound macadam paving 8.8 mi. State Highway 7, Mexica-Waco Rd., $385,000; also 4.92 mi. State Highway 14, between Mexica and Wortham, $226,800, both 18 ft. H. Bovette, Mexia, engr.

Tex., Quanah — Hardeman Co. making plans grading, bridging and concrete paving 8.48 mi. Highway 5 extending east from Childress Co. line, 18 ft. $313,000. J. B. Nabors, Quanah, co. engr.

Tex., Quanah — Hardeman Co. making plans grading, bridging and concrete surfacing 8.46 mi. Highway 5 extending west from Wilbarger Co. line, 18 ft. $332,000. J. B. Nabors, Quanah, co. engr.

Tex., Tyler—Election Mar. 12, $50,000 bonds, additional street paving. Address W. W. Prater, city mgr.

Okla., Frederick—E. U. Gamblin, mayor, rejected bids Feb. 4, paving 15 blocks various streets. Will readvertise. Benham Eng. Co., 512 Gumble Bldg., Kansas City, Mo., engrs. Noted Jan. 28.

Okla., Marlow—Making preliminary plans concrete paving 10,000 sq.yd. various streets. $30,000. G. L. Orr, city clk. Engineer not announced.

Okla., Wewoka — Making preliminary plans hard-surfacing 6 blocks various streets in business section. $35,000. Address City Commissioner.

Okla., Woodward — Plans paving 50 blocks various streets, 26-, 76 ft. $300,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Wash., Anacortes—Making plans paving 46 block streets in business district.

California—State Hy. Dept., Sacramento plans widening and thickening pavement north and south of Delano St., Kern Co. $40,000 available. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., El Centro — Imperial Co. plans paving highway by way of Bonds Corner and Calexico to Seeley. To exceed $25,000.

Calif., El Cerrito — City and State Hy. Dept., Sacramento, plan paving, etc. San Pablo Ave. through town. State appropriated $75,000 and city approximately $160,000 toward cost. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., El Monte—Plans curbing, walks, and 6 and 8 in. concrete paving portions of Tyler, Garvey, Mildred Aves., etc. $25,000 or more. B. B. Moore, city clk.

Calif., Pomona—Plans 5 in. oil macadam paving portions Orange Grove Ave. $42,500. F. C. Froedhe, city engr.

Calif., San Diego—Common Council made plans improving Newton Ave. between 26th and 32nd Sts., 197,577 sq.ft. 1½ Warrenite wearing surface on 2½ in. asphaltic concrete paving, 1,443 sq.ft. concrete sidewalk, 162 lin.ft. concrete curbing, etc.; Oregon St. and University Ave., 120,551 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving, 37 lin.ft. concrete curbing, 422 sq.ft. concrete sidewalk, etc.; also Dale St. between Juniper and Beach Sts., 149,996 sq.ft. 1½ in. asphaltic concrete paving, 81 sq.ft. concrete sidewalk, 42 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr.

Calif., San Francisco — Plans improving portions of Rivera, Santiago and Taraval Sts. between 44th and 46th Aves., 2,000 lin. ft. concrete curbing, 43,263 sq.ft. asphaltic concrete paving, 720 ft. 8- to 21-in. ironstone pipe sewer, etc. $25,000. M. M. O'Shaughnessy, city engr.

Calif., Santa Barbara — Santa Barbara Co. making surveys constructing approximately 20 mi. San Julian Ranch Rd. between Lompoc and Las Cruces. O. H. O'Neill, Santa Barbara, co. surv.

Calif., Santa Monica—Made plans, 2 in. Warrenite-bituminous on 4 in. asphaltic concrete paving, etc. portion of Colorado Ave. $25,000 or more. H. B. Carter, city engr.

Ont., St. Thomas—City Council plans asphalt on concrete paving Flora St. $40,000. W. C. Miller, city engr.

Ont., Hamilton — Plans asphalt paving approximately 6,000 sq.yd. Croswaite Ave. $26,815. W. L. McFaul, City Hall, engr.

Ont., St. Catherines — Suburban Area Comn., making plans concrete paving 2 mi. Merritville Rd. $70,000. J. E. Riffer, c/o owner, engr.

Ont., Stratford—Making plans extending sewers in north eastern section. $50,000. A. B. Manson, City Hall, engr.

Ont., Toronto—Plans sidewalks and asphalt on concrete paving Clinton St. $4,673, Ethelwin Ave. $1,863, and Day Ave. $1,654; asphalt surfacing lane north of King St. $1,608, and Lane first west of Yonge St. $1,458; grading lane between Manning Ave. and Clinton St. $4,100, Heath Crescent $1,895, lane east of Hastings Ave. $1,273; concrete sidewalks on various streets $5,978, and concrete curbing various streets $888. R. C. Harris, City Hall, engr.

Que., Shawinigan Falls — Plans concrete paving 1¼ mi. Bway., 5th, 6th and 7th Aves., Hemlock, Laubert, Champlain and Cartier Sts., $31,150; also grading and widening, etc. Des Hetres Ave., $45,000. J. H. Valiquet, Shawinigan Falls, engr.

BIDS DESIRED

New York—Mar. 5, by A. W. Brandt, comr. State Hy. Dept., Albany, Bituminous material "T" (hot and cold application) and Bituminous material "T," penetration method on highways, in Divisions 1 to 9 (inclusive), Contr. 10; adv. E.N.-R. Feb. 25.

N. J., Tuckerton — Mar. 11, by Boro Council, T. Pharo, clk., cement sidewalks on various streets. $70,000. J. M. Abbott, Toms River, engr.

Pennsylvania — Mar. 23, by State Hy. Dept., Harrisburg, grading, bituminous or rein.-con. paving 13 projects in Adams, Allegheny, Beaver, Bedford, Bucks, Clearfield, Centre, Chester, Dauphin, Fayette, Lebanon, Monroe, Westmoreland and York Counties. W. H. Connell, eng. executive and deputy secy. of Highways; adv. E.N-R. Feb. 25.

Pa., Phila.—Mar. 2, by Dept. Pub. Wks., Bureau of Highways, Schedule A, asphalt repaving 82,001 sq.yd. Armat, Lena, Maplewood, Meehan, Seymour, Sheldon, Shedaker, Wister, Carlisle, Pacific, Westmoreland, 23rd, Clinton, Kater, Lehigh, Market, Myrtlewood, Pemberton, Watkins, 38th and 47th Sts.; Schedule B, redressed granite block repaving 44,742 sq.yd. Bainbridge, Fulton, Orianna, Chancellor, Water, Marshall, Franklin, Hancock, Sansom, Germantown, Hutchinson, 9th, Leithgow, 7th, Richmond, Salaignac and Terrace Sts.; Schedule C, removing circular plot in Broad St. south of Oregon Ave.; Schedule D, curbing and footway work (property owners to pay); Schedule E, curbing and footway work (city to pay). G. H. Biles, dir.

Pa., Pittsburgh — Taking bids grading, curbing, paving and sewers in Forbes St. between Beechwood Blvd. and Braddock Ave. $131,000. Dept. Pub. Wks., City County Bldg., ch. engr.

Pa., Pittsburgh—Mar. 3, by J. P. Moore, controller, Allegheny Co. rein.-con. paving 12,700 ft. Brownsville-Library Rd. (Snowden Twp.), 18 ft. $150,000. County Dept. of Pub. Wks., 519 Smithfield St., engrs.

Maryland — Mar. 9, by State Roads Comn., Garrett Bldg., Baltimore, oiling 342.53 mi. roads, various counties, Contracts 1 to 6 (inclusive). J. N. Mackall, chn.; adv. E. N.-R. Feb. 25.

Md., Towson—Mar. 2, by Baltimore Co., concrete paving 1.22 mi. Pittsburgh Ave. from Dundalk to Sollers Point, (Group 10). S. A. Green, Towson, road engr.

West Virginia—Mar. 16, by State Road Comn., Charleston, improving roads on Project 3236-A or 136-B Greenbrier Co., Project 3235-B Pocahontas Co., Project 3304-B Monroe Co., Project 3242 Mason Co., Projects 3299, 3350, 3326 and 3247 Putnam Co., Projects 3253 and 2055 Hancock Co., Project 3114-C Brooke Co., Project 3340 Upshur Co., Project 3214-B Hardy Co., Project 3208 Pendleton Co., and Project 3333 Tucker Co.; bridges on Projects 150 and 148-B Kanawha Co., Project 3128-B Wyoming Co., Project 3017-B Baxter Co., and Project 146-A Magnolia Co. E. B. Carskadon, secy.; adv. E.N.-R. Feb. 25.

W. Va., Summersville — Mar. 15, by Nicholas Co. Court, C. E. Stephenson, clk., grading, etc. 11.1 mi. Quinwood-Nettie Rd., Kentucky Dist.

Florida—Mar. 15, by State Dept. Tallahassee, Florida lime rock 8 in. compacted base on Project 562-A, Rd. 8 from Station 422 to Township 35 and 36, Highlands Co. J. L. Cresap, highway engr.

Miss., Booneville — Mar. 2, by J. F. Friday, City Hall, grading curbing, guttering and asphalt, Willite, Warrenite, asphaltic concrete, limestone, rock asphalt, sand rock, asphalt or concrete paving, etc. 16,000 sq.yd. various streets. R. L. Totten, Inc., B & M Bldg., Birmingham, Ala., engr.

Miss., Columbus — Mar. 2, by C. M. Reeves, City Clerk. City Hall, grading, curbing, guttering and paving, etc., 40,000 sq.yd. various streets. R. L. Totten, Inc., Brown-Marx Bldg., Birmingham, Ala., engrs.

Tennessee—Mar. 12, by State Dept. Highways & Pub. Wks., Nashville, improving roads and building bridges in Fayette, Tipton, Dyer, Lauderdale, Greene, Bradley, Knox, Gibson, Shelby, Obion, Bedford, Scott, Cumberland, Morgan, McNairy, Stewart, McMinn, Hamblin, Davidson and Sumner Counties. C. N. Bass, acting comr; adv. E. N.-R. Feb. 25.

O., Dayton—Mar. 1, by G. F. Baker, dir. Pub. Serv., curbing, guttering and sheet asphalt or rein.-con. paving 12,000 sq.yd. Hopeland, Pritz and Clarence Sts. also alleys, 16 ft. and 30 ft. $40,000. J. F. Hale, city engr.

O., Dayton—Mar. 4, by Comrs. Montgomery Co., Court House, rein.-con. or asphalt on concrete, or rock asphalt paving 16,500 sq.yd. Westfield, Walton, Kerper, Whitmore, Bedford, Catherine and Gardendale Sts. $50,000. W. P. Pease, Dayton, co. surv.

Ind., Lebanon — Mar. 6, by Bd. Comrs. Boone Co., Court House, grading and cement paving highway in Center Twp. $32,600. M. Harvey, aud.

Mich., Hillsdale—Feb. 26, by Hillsdale Co., graveling 2½ mi. Assessment Dist. Rd. 11.

Ill., Chicago — Mar. 3, by South Park Comrs., 57th St. and College Ave., asphaltic macadam walks on 36,000 sq.yd. Grant Park and 11,700 sq.yd. South Parkway to 23rd St. L. White, ch. engr.

Ill., De Kalb—Mar. 8, by City, City Hall, grading, curbing and concrete or Warrenite paving 32,205 sq.yd. various streets. W. M. Hay, De Kalb, engr.

Ill., East St. Louis — Feb. 27, grading, curbing, guttering and 8 in. concrete paving 3,860 sq.yd. 42nd St., $21,500; also 2,620 ft. 8- to 15-in. sewers, 4 manholes, etc., $6,200. W. McK. Brown, City Hall, engr.

Ill., Macomb—Feb. 27, by City, grading, curbing, guttering, and brick on concrete paving 8,505 sq.yd. East Pierce St. F. M. Connolly, 428-431 Peoples Trust & Savings Bank Bldg., Galesburg, consult, engr.; adv. E. N.-R. Feb. 25.

Wis., Milwaukee—Mar. 3, by Dept. Pub. Wks., R. E. Stoelting, comr., concrete paving, etc., 24,647 sq.yd., 18 alleys.

Wis., Milwaukee—Mar. 1, by City Clerk, vitr. brick, sheet asphalt, rein.-con., vibrolithic concrete or amiesite paving, etc., 11,771 sq.yd. Cherry St.; 12,430 sq.yd. North State St., and 5,657 sq.yd. Oneida St. R. M. Connelly, City Hall, engr.

Minn., St. Paul—Mar. 2, by A. E. Eggert, city purch. agt., approximately 7,473 sq.yd. brick on 7 in. concrete, 1,867 sq.yd. brick on 8 in. concrete, and 7,135 sq.yd. sheet asphalt on 7 in. concrete paving, also removing 12,295 sq.yd. present paving South Robert St. between Fillmore Ave. and Congress St. $90,000. G. M. Shepard, city engr. Noted Feb. 11.

Kan., Winfield—Mar. 19, by Clerk Cowley Co., grading and vitr. brick or concrete surfacing 36,370 sq.yd. Federal Aid Project 231-C, and 56,979 sq.yd. Federal Aid Project 231-D. W. S. Ruggles, Jr., Winfield, co. engr. Noted Feb. 4.

Neb., Omaha—Mar. 2, by City, paving Dists. 2347, 2564, 2582, 2798, 2822, 2842, 2844, 2851, 2852, 2854, 2860, 2895, 2900, 2901, 2917, 2935, 2567, 2970, 2975, 2977 and 2958.

South Dakota — Mar. 9, by State Hy. Dept. **(S. A. P. means State Aid Project and F. A. P. means Federal Aid Project)**, Pierre, grading, etc. 147,000 cu.yd. F.A.P. 196-B Aurora Co., 90,000 cu.yd. F.A.P. 198-A Brown Co., 183,700 cu.yd. F.A.P. 189-C Brule Co., 150,700 cu.yd. F.A.P. 193-B Deuel Co. 107,000 cu.yd. F.A.P. 193-C Grant Co., 153,000 cu.yd. F.A.P. 195-A Hamlin Co., 100,000 cu.yd. F.A.P. 188-F, Miner and Lake Counties, 40,300 cu.yd. F.A.P. 190-B Walworth Co., 113,000 cu.yd. F.A.P. 197-A Minneahaha and Lincoln Counties, 52,500 cu.yd. F.A.P. 197-B Lincoln Co., 87,000 cu.yd. F.A.P. 206 Butte Co., 45,-

See proposal advertisements on page 132, Advertising Section.

Streets and Roads (Continued)

000 cu.yd. S.A.P. 95, Perkins Co., approximately 8 mi. S.A.P. 96-B Todd Co. and 2 mi. S.A.P. 88 Minnehaha Co.; gravel surfacing, etc 8,500 cu.yd. F.A.P. 100 Pennington Co., 21,300 cu.yd. F.A.P. 184-A Beadle Co., 18,500 cu.yd. F.A.P. 184-B Spink Co., 10,400 cu.yd. F.A.P. 178-A Bon Homme Co., 21,500 cu.yd. F.A.P. 178-C Yankton Co., 21,600 cu.yd. S.A.P. 82 Meade Co., 16,700 cu.yd. F.A.P. 186-B Sanborn Co., and 14,600 cu.yd. F.A.P. 186-C, Sanborn Co.

North Dakota — Mar. 9, by State Hy. Dept., Bismark, and Comrs. Ward Co., at Court House, Minot, gravel surfacing 9.111 mi. Federal Aid Project 82. C. Christensen, highway comr.

North Dakota — Mar. 9, by State Hy. Dept., Bismarck, and Comrs. Ward Co. Court House, Minot, gravel surfacing 12.126 mi. Federal Aid Project 86. C. Christensen, highway comr.

North Dakota — Mar. 10, by State Hy. Dept., Bismarck, and Comrs. Pierce Co. Court House, Rugby, gravel surfacing, etc. 16.034 mi. Federal Aid Project 204. C. Christensen, highway comr.

North Dakota — Mar. 11, by State Hy. Dept., Bismarck, and Comrs. Benson Co. Court House, Minnewaukan, clearing, grubbing and grading 7.659 mi. Federal Aid Project 290-A, 9.227 mi. Federal Aid Project 249-B; gravel surfacing 6.468 mi. Federal Aid Project 203, also 6.016 mi. Federal Aid Project 205. C. Christensen, highway comr.

Mo., St. Louis — Mar. 16, by Bd. Pub. Serv., 208 City Hall, recut granite block paving, etc. 18,800 sq.yd. Franklin Ave., $132,000; brick paving, etc. 3,215 sq.yd. Beacon St., $19,520 and 5,660 sq.yd. Magnolia St., $33,720; Warrenite bitulithic paving, etc. 3,265 sq.yd. Childress St., $18,720, and 3,435 sq.yd. Geraldine St., $20,320; asphaltic concrete paving etc. 2,400 sq.yd. Tennessee St., $14,520 and 965 sq.yd. Tennessee St., $9,320; asphalt paving, etc. 7,860 sq.yd. Clark St., $52,520 and 2,515 sq.yd. Maryland St., $17,800. W. W. Horner, 300 City Hall, engr.

Texas—Mar. 4, by H. Moseley, chn. State Hy. Comn., Austin, grading, bridging and sledged stone paving 0.496 mi. State Highway 10, State Aid Project 563, 18 ft., Erath Co., $47,000. G. W. Courter, Courthouse, Ft. Worth, engr.

Texas—Mar. 5, by State Hy. Comn., Austin, bituminous surface treating 161 mi. roads in Red River, Bowie, Cass, Titus, Delta, Collin, Denton and Wise Counties, $400,000; 117 mi. roads in Johnson, Hood, Somervell, Bosque, McLennon and Hill Counties, $300,000; 90 mi. roads in Bell, Williamson and Milan Counties, $225,000; and 183 mi. roads in Howard, Martin, Midland, Ector, Surrey, Brewster and Polk Counties, $525,000, all foregoing 16 and 18 ft. W. P. Kemper, Austin, highway engr.

Texas—Mar. 8, by State Hy. Comn., Austin, clearing, grubbing, bridging and grading 6.47 mi. State Highway 8 from Carthage to Martins Creek, 26 ft., Panola Co. $68,700. D. E. Martin, Carthage, engr.

Texas — Mar. 8, by H. Moseley, chn. State Hy. Comn., Austin, shell paving 5.821 mi. and concrete on 1½ in. bitulithic paving 16.474 mi. State Highway 3, Federal Aid Project 352, Units 3 and 4, 18 ft., Liberty Co. $475,000. A. C. Love, Liberty, engr.

Texas—Mar. 8, by State Hy. Comn., Austin, grading and bridging 4.19 mi. State Highway 6, Federal Aid Project 487-C 626 ft., Ellis Co. $26,500. W. A. Spalding, Waxahachie, engr. Noted Feb. 18.

Texas — Mar. 8, by State Hy. Comn., Austin, clearing, grubbing, bridging and grading 5.64 mi. State Highway 8, Federal Aid Project 457-A, 26 ft., Cass Co. $60,000. F. E. Hess, Linden, engr. Noted Feb. 18.

Tex., Eagle Lake—Mar. 9, at office R. T. Westmoreland, mayor, curbing, guttering and 6 in. concrete paving 9,800 sq.yd. State Highway 3. B. H. Faber, city engr. Noted Feb. 18.

Oklahoma—Mar. 15, by State Hy. Dept., Oklahoma City, concrete surfacing 52,480 sq.yd. Enid-Drummond Rd., Garfield Co. $110,000. J. M. Page, highway engr.

Okla., Stillwater—Mar. 2, by F. R. Hassler, mayor, grading, curbing and concrete paving 8,470 sq.yd. 14th St. $27,700. R. G. Saxton, Stillwater, engr.

Idaho — Mar. 3, by Commissioner Pub. Wks., Boise, improving 3.377 mi. Old Oregon Trail Highway, Federal Aid Project 86-B, Canyon Co., 10,955 cu.yd. earth, 146 cu.yd. solid and 759 cu.yd. loose rock excav., 13,593 sta.yd. overhaul, 2,701 cu.yd. crushed rock or gravel surfacing, etc.

Calif., Arcadia — City Trustees taking bids grading, 6 in. oil macadam paving, etc. Huntington Dr., etc. To exceed $25,000. G. B. Watson, city engr.

Calif., Colusa—Mar. 2, by Supervs. Colusa Co., improving Grimes-Knights Landing Rd., 11,388 lin.ft. subgrading earth shoulders, incl. 1,538 ft. grading, 182,200 sq.ft. asphaltic concrete paving, etc.; also road from north end approach of Colusa drawbridge, north Colusa-Butte City Rd., to Butte Center school house, 2,600 lin.ft. graveling and grading, 505,000 sq.ft. asphaltic concrete paving, etc. J. M. Felknor, Colusa, co. surv. Noted Jan. 28.

Calif., Los Angeles — Mar. 8, by Bd. Supervs. Los Angeles Co., improving Vermont to Normandie Sts. Impvt. 377, 1,322 cu.yd. excav., 45,694 sq.yd. concrete paving, etc.; also Impvt. 326, 190 lin.ft. curbing, 320 sq.ft. guttering, 814 sq.ft. sidewalk, 3,433 cu.yd. excav., 165,811 sq.yd. concrete paving, etc. G. Jones, Hall of Records, engr.

Calif., Salinas—City Council, M. R. Keef, city clk., taking bids improving South Main St., 109,205 sq.ft. grading, 109,205 sq.ft. 2½ asphaltic concrete surfacing, 21,962 ft. concrete guttering, 4,447 lin.ft. concrete curbing, etc. H. Cozzens, city engr. Noted Dec. 3.

Calif., San Diego—Mar. 8, by Common Council, improving Upas, Redwood, Palm Sts., etc., 12,184 cu.yd. excav., 49,450 sq.ft. concrete sidewalk, 10,312 lin.ft. concrete curbing, 450,842 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving, etc.; also Texas and Louisiana Sts., 102,699 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving, 5,172 sq.ft. concrete sidewalk, 1,170 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr. Noted Jan. 14.

Calif., Santa Ana — Mar. 2, by Supervs. Orange Co., improving 4 mi. Santa Ana Canyon Highway between Olive and Corona, 18,000 cu.yd. excav., 8,900 cu.yd. gravel for shoulders and sub-grading, 8,627 cu.yd. concrete, etc. J. L. McBryde, Santa Ana, co. surv.

Calif., Santa Rosa—Mar. 5, by Supervs. Sonoma Co., improving Healdsburg-Dry Creek Rd., 4,785 cu.yds. unclassified excav., 3,282 cu.yd. concrete or 199,361 sq.ft. 2 in. Willite on 3 in. asphaltic concrete paving, etc. To exceed $45,000. E. A. Peugh, Santa Rosa, co. surv.

Calif., Oroville — Mar. 1, by Supervs. Butte Co., surfacing 4,550 ft. Cameron Ave., Gridley Colony, 1,265 tons broken stone and 50 tons "E" asphalt oil spread; also 4,900 ft. 11th St., Holly Ave. near Chico, 1,450 tons broken stone and 38 tons "E" asphalt oil spread. H. H. Hume, Oroville, co. surv.

Quebec — Mar. 9, by J. L. Boulanger, Quebec, graveling 33 mi. Lerrs-St. Lambert Rd., Nicolet Co. $300,000. A. Fraser, Quebec, engr.

BIDS RECEIVED

Pennsylvania—State Hy. Dept., Harrisburg, Feb. 5, **(R. means Route and A. means Application)**, one course rein.-con. paving 15,731 ft. Spring and Lower Heidelberg Twp. Rd., A. 3604, Berks Co., from M. Staub, 548 Court St., Reading, $120,059, 4,853 ft. Conemaugh Twp. Rd., A. 3636, Somerset Co., from Windber Constr. Co., Inc., Windber, $48,056, 6,648 ft. Leighton Boro Rd., A. 3676, Carbon Co., from Sherman & Rhodes, Weissport, $99,217, 14,860 ft. Allegheny Twp.-Duncansville Boro Rd., A. 3583-3631, Blair Co., from Lincoln Constr. Co., Strafford, $112,435, 5,324 ft. Henry Clay Twp.-Markleysburg Boro Rd., R. 363, Sect. 2, A. 3661, Fayette Co., from Vipond & Strite, 45 Altoona Trust Co., Altoona, $48,166, 13,464 ft. Ralpho-Shamokin Twp. Rd., R. 161, Sect. 3, Northumberland Co., from J. Christian, Shamokin, $160,733, 7,669 ft. Ross Twp.-West View Boro Rd., R. 246, Sect. 3, Allegheny Co., from M. O'Herron Co., 1st and McKeen Sts., Pittsburgh, $91,235, 9,605 ft. Washington-Franklin Twp., R. 228-348, A. 3730, Westmoreland Co., from State Constr. Co., New Kensington, $116,709; grading, etc., 57,974 ft. Limestone-Hickory Twp. Rd., R. 93, Sect. 2, Warren and Forest Counties, from Milligan & Ringler Co., Blairsville, $214,918, and 38,555 ft. North Middelton-Middlesex-Carlisle Rd., R. 40, Cumberland Co., from Tri State Eng. Co., 39 Liberty Trust Bldg., Cumberland, Md., $79,577. Noted Dec. 31.

N. C., Charlotte—Bd. City Comrs., Feb. 16, paving 200,000 sq.yd. various streets, from Thompson Caldwell Co., P. O. Box 26, Eliz. Sta.; concrete sidewalks on 40,000 sq.yd. various streets, from C. A. Heilig, Charlotte, $59,200, and curbing 100,000 ft. various streets, from Granite Curbing Co., Charlotte, $58,000. Noted Feb. 4.

Alabama—State Hy. Comn., Montgomery, Feb. 10, **(S. A. P. means State Aid Project, F. A. P. Federal Aid Project, and e. e. engineers estimate)**, grading and gravel surfacing 10.9 mi. road between Town Creek and F.A.P. 38, 18 and 24 ft., S.A.P. 101, Lawrence Co., from Nixon & Phillips, Lancaville, $126,204 e. e. $133,895, and 2 mi. Camp Hill Rd., 18 and 26 ft., S.A.P. 88-A, Tallapoosa Co., from J. A. Taylor, Tuscaloosa, $43,549 e. e. $44,765; grading and crushed stone surfacing 2.52 mi. Moulton-Russellville Rd., 18 ft., S.A.P. 125, Lawrence Co., from Littress Constr. Co., Decatur, $34,977, e. e. $40,000; grading 10.41 mi. Tuscaloosa-Green Co. line Rd., 26 ft., F.A.P. 150, Tuscaloosa Co., from Fountain, Lamb & McLennon, Eutaw, $137,620 e. e. $151,377, and 14.86 mi. Seale-Girard Rd., 18 and 24 ft., S.A.P. 50-B, Russell Co., from A. H. Singer, LaFayette, $83,495, e. e. $86,281. Noted Jan. 21.

Calif., Los Angeles — From Baker & Vigus, I. W. Hellman Bldg., improving Frigate Ave. between J and Anaheim Aves., grading $1,500, 87,538 sq.ft. 6 in. concrete paving $0.19 per ft., etc. total $22,878; from G. H. Oswald, 366 East 5th St., 2nd St. between Palos Verdes and Pacific Ave., grading $20,000, 33,000 sq.ft. asphaltic paving $0.22, 10,611 sq.ft. 8 in. concrete paving $0.26, etc. total approximately $46,150.

Calif., Los Angeles—From O. Miracle, 227 Ave. D, Redondo Beach, improving La Cienega Blvd. between Pico and Airdome St., grading $1,800, 56,957 sq.ft. 8 in. concrete paving $0.255, curbing $0.40, ornamental lighting system $16,000, etc., total $33,775; from Curtis Paving Co., 2440 East 26th St., Los Angeles, improving Temple St. between Hoover St. and Westmoreland Ave., grading $5,000, 32,124 sq.ft. 7 in. concrete paving $0.27 per ft., 21,305 sq.ft. Warrenite-bituminous paving $0.27.

Calif., Oakland—E. K. Sturgis, city clk., from Oakland Paving Co., 5000 Bway., improving Peralta Ave. between 7th St. and Emeryville city limits, 940,565 sq.ft. grading $0.03 per sq.ft., 478,787 sq.ft. 3 in. Warrenite bituminous paving with 4 in. asphaltic concrete surface, $0.265, etc. Noted Feb. 11.

Calif., San Diego—Common Council, Feb. 8, from L. B. Myers, Phoenix, Ariz., 26th St. from Russ Blvd. to N St., 203,810 sq.ft. 5 in. concrete paving $0.162, 802 lin.ft. concrete curbing $0.65, 2,593 sq.ft. concrete sidewalk $0.21, etc., total $38,480 Noted Jan. 28.

Calif., Sacramento — Sacramento Co., from W. Moreing, Harris Bldg., Stockton, improving Joint Highway Dist. 4, 12,000 cu.yd. rock surfacing $2.95 per cu.yd. 5,700 cu.yd. excav. $0.50, $700 cu.yd. fill $0.50. Noted Feb. 4.

Calif., San Rafael—Supervs. Marin Co., Feb. 8, grading 100,000 cu.yd. Fairfax-Alpine Rd., incl. corrugated iron culverts **(a)** contractor furnishes culverts **(b)** county furnishes culverts, from J. P. Holland, 540 Brannan St., San Francisco, **(a)** $66,436, **(b)** $61,600.

CONTRACTS AWARDED

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, curbing and paving Delaware Ave. between Snyder Ave. and Bigler St., to J. Saloncl, 512 North 65th St., $148,539.

W. Va., Harrisville—Ritchie Co., grading, etc. 3.7 mi. Sect. B, Staunton Pike, Murphy Dist., to J. C. Cooper & Co., Charleston, $33,491.

Florida — State Rd. Dept., Tallahassee, grading, paving, etc., Project 641-A, between West Palm Beach and Jupiter, to C. F. Wilmore, 513 Meridian Ave., Middletown, O., $78,256. Noted Jan. 14.

Fla., St. Augustine—See "Unclassified."

Miss., Collins—Covington Co. will improve 9 mi. Lone Star Rd. from Collins to Prentiss, by day labor, under supervision of Howarth & Watson, engrs., Hattiesburg.

Miss., Corinth — Grading, curbing and paving Jackson, Front, Waldron and South 2nd Sts., to Carey Reed Co., Lexington, Ky., $29,311.

Miss., Holly Springs—Bd. Supervs. Marshall Co. grading and gravel surfacing 2.23 mi. Federal Aid Project 66-B, 18 ft., to M. Harvey, Water Valley, $22,274; 4,662 cu.yd. gravel f.o.b. cars Spraggins and Malone, to Batesville, Gravel & Material Co., Bank of Commerce Bldg., Memphis, Tenn. Noted Jan. 14.

Kentucky—State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. State Aid Project)** grading, etc. 2.986 mi. Fulton-Clinton Rd., F.A.P. 131-F, Fulton Co., and 6.934 mi. Clinton-Bardwell Rd., F.A.P. 131-E, Hickman Co., to Landrum Bros. & Ewell, Dyer, Tenn., $14,777 and $66,603 respectively; 1.477 mi. Fulton-Mayfield Rd., F.A.P. 146-B, Fulton Co., to L. E. Carter & Co., Lovelaceville, $16,907; 15.313 mi. Mayfield Fulton Rd., F.A.P. 146-A, Graves Co., to Carter, Carter & Braden, Clay, $107,213; 4.147 mi. Elizabethtown-Leitchfield Rd., F.A.P. 147-A, Hardin Co., to General Constr. Co., Elizabethtown, $21,734; 5.193 mi. Hodgenville-Greensburg Rd., F.A.P. 126-B, Larue Co., to Mason, Douglas & Handley, West Point, $39,519;

See proposal advertisements on page 132, Advertising Section.

Streets and Roads (Continued)

3.59 mi. Richmond-McKee Rd., F.A.P. 123-B, Madison Co., to Van Diver Constr. Co., Harrodsburg, $87,280; and 9.508 mi. Hartford-Fordsville Rd., S.A.P. 45-B, Ohio Co., to W. W. Carter, Clay, $64,989. Grand total $419,022. Noted Feb. 18.

Ind., Anderson — City Comrs., curbing and concrete paving 1 mi. Noble and 31st Sts., 28 ft., to Daniels & Syst Co., Farmers Trust Bldg., $33,067. Engrs. est. $41,000. Noted Jan. 21.

Mich., St. Joseph—Berrien Co. improving 3.39 mi. road, to J. Ackerman, Benton Harbor, $55,930.

Ill., Naperville — Grading, curbing and vibrolithic concrete paving 27,000 sq.yd. Ogden Ave. addition, to H. Jensen, St. Charles, $92,354. Noted Feb. 4.

Ia., Sigourney—Keokuk Co., grading, etc. Sigourney-Washington Co. line Rd., Primary Road 183, 86,334 cu. yd. excav., 1,600 cu. yd. channel change, 1,000 cu. yd. approach excav., 80,000 station overhaul, etc., to McAnfrew & Hannahs, Keokuk, $31,834; 25 concrete culverts on Federal Aid Project 183-B, to Wallace Lumber Co., Sigourney $11,437, also one 20 x 24 ft. slab bridge and one 40 x 24 ft. deck girder bridge on same project to A. P. Munson, Marion, $11,859.

Missouri—State Hy. Dept., Jefferson City, to Independent Constr. Co., Pittsburgh, Kan., grading 0.966 mi. Carthage-Joplin Rd., Jasper Co. $4,562, 18 ft. concrete paving same road $12,356; to O. H. Schmidt, St. Joseph, 30 ft. grading 4.957 mi. Brookfield-Livingston Rd., Linn Co. $382,689, to Kelly & Underwood, Granby, 3.857 mi. Seneca-Neosho Rd., Newton Co. $28,853, and 3.999 mi. same road $24,665, to J. P. Sparks, Kirkwood, 3.306 mi. Silva-Greenville Rd., Wayne Co. $74,173, and 3.156 mi. same road $34,989, to R. P. Harper Constr. Co., Chillicothe, 3.493 mi. Brookfield-Livingston Rd., Linn Co. $47,257, 3.258 mi. same road $19,072 and 3.466 mi. same road $25,411, to G. A. Nichols, Oklahoma City, Okla., 1.835 mi. Waverly-Marshall Rd., Lafayette Co. $8,887, 4.369 mi. Waverly-Marshall Rd., Saline Co. $12,338, 4.597 mi. same road $15,690, and 4.004 mi. same road $18,238; to Richmond Constr. Co., Richmond, grading and 18 ft. concrete paving 3.468 mi. Knobnoster-Lamonte Rd., Pettis Co. $55,038; to Nevada Constr. Co., Nevada, 30 ft. grading 3.598 mi. road from Nevada east, Vernon Co. $20,131, 3.958 mi. same road $19,400, 18 ft. gravel surfacing 3.491 mi. Butler-Appleton City Rd., Bates Co. $27,995, 3.507 mi. same road $23,828; to M. E. Gillioz, Monett, 18 ft. gravel surfacing 9.972 mi. road from Club east. Wayne Co. $84,469, 1.16 mi. Marble Hill-Wayne Co. line Rd., Bollinger Co. $22,587, and 4.993 mi. same road $42,346; to D. C. Horton, Fort Smith, Ark., 18 ft. gravel surfacing 4.64 mi. road from Osceola south, St. Clair Co. $30,366, 4.805 mi. same road $35,070, and 4.722 mi. same road $29,008, to Graham Bros., Leeds, 9.674 mi. Mexico-Martinsburg Rd. $4,224, 2.674 mi. road from Martinsburg north and east $12,317, and 2.693 mi. road from Martinsburg north $13,151, all in Audrain Co., to J. A. Kerr, Ozark, 14.755 mi. Willow Springs-Mountain View Rd., Howell Co. $39,937, to K. MacFarland, Kansas City, 1.63 mi. road from New Franklin north and south, Howard Co. $23,248, to Trodgon Bros., Quincy, Ill., 2.167 mi. road from Hamilton south, Caldwell Co. $2,814, to R. M. Daviess & Son, Salisbury, 2.731 mi. Fayette Rd., Route 2, Howard Co. $18,128, to Phillips & Rigsby, Waynesville, 4.959 mi. road from Brazito north and south, Cole Co. $43,088; to C. H. Atkinson Paving Co., Watertown, S. D., grading and 9 ft. concrete paving 4.148 mi. road from Cameron north, De Kalb Co. $64,461, 4.372 mi. Gallatin-Winston Rd., Daviess Co. $49,997, 8.174 mi. same road $87,010, 3.868 mi. road from Winston N. E. to Southwest, Daviess Co. $44,672; to F. E. Eberhardt Paving Co., Salina, Kan., grading and 18 ft. concrete paving 2.919 mi. road from Savannah west, Andrew Co., $46,024; and to Haller-Emmerson Co., Boonville, 22 ft. rock asphalt or amiesite paving 0.625 mi. New Franklin Rd., Howard Co., $879. Grand total $1,165,372. Noted Feb. 18.

Mo., St. Louis—Dept. Pub. Serv., 208 City Hall, to Webb-Boone Paving Co., 5103 Fyler Ave., asphaltic concrete paving 2,185 sq.yd. Alfred Ave. $12,032, 2,915 sq. yd. Arthur Ave. $17,019, 830 sq.yd. Hi-Points Pl. $5,075, 1,060 sq.yd. Kansas St. $5,945, and 3,115 sq.yd. Marmaduke St. $13,060; to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., Warrenite paving, etc., 1,635 sq.yd. Michigan Ave. $8,372, 3,010 sq.yd. Cardinal St. $20,309, and 3,490 sq.yd. Pennsylvania St. $18,936; to Granite Bituminous Paving Co., Ry. Exch. Bldg., Warrenite bitulithic paving, etc., 3,060 sq. yd. Nagel St., $21,297; and to Skrainka Constr. Co., Security Bldg., concrete guttering, etc., 1,780 sq.yd. Delmar Blvd., $20,473. Grand total $142,518. Noted Feb. 11.

Ark., Siloam Springs—E. McCulloch, chn. Dist. 4, to E. H. Locher, Okmulgee, Okla., grading, curbing and paving 28,000 sq.yd. streets in Paving Dist. 4, plain concrete $74,784, rein.-con. $81,504, brick and concrete, $82,703; to W. L. Miller, Siloam Springs, rein.-con. bridge, $7,859. Noted Jan. 28.

Okla., Elk City—Brick block with asphalt filler paving various streets, to Standard Paving Co., 1742 East 6th St., Tulsa, $32,210. Noted Feb. 18.

Nevada—State Hy. Dept., Carson City, constructing portion Bard-Vegas Highway, Federal Aid Project 101-A, Clark Co., Contr. 137, to Dodge Bros., Inc., Fallon, $80,743.

Oregon—State Hy. Dept., Portland, grading and surfacing 10.3 mi. Cannon Beach Junction-Hamlet Junction Section of Roosevelt Highway, Clatsop Co., to Motor Investment Co., c/o G. M. McDowell, Ry. Exch. Bldg., Portland, $63,915.

California—State Hy. Dept., Sacramento, to J. V. Galbraith, Windsor, completing Healdsburg-Santa Rosa Highway, Sonoma Co., 34,000 cu.yd. unclassified excav. $0.50, 12,150 yds. concrete paving $23, etc., total approximately $207,265.

Calif., Oakland—Alameda Co. constructing roadways, walks, steps, walls, etc. at Highland Hospital, to Frederickson & Watson, Builders Exch. Bldg., $256,918. Noted Feb. 18.

Calif., San Diego — Common Council, grading and paving Kettner Blvd., Spruce, Winder, Laurel and Pierce Sts., to Hazard Contg. Co., 2548 Kettner Blvd., $100,067. Noted Jan. 28.

Buildings—Industrial

PROPOSED WORK

Mass., Hudson — FACTORY — Firestone-Apsley Rubber Co., H. S. Firestone, pres., had plans prepared 5 story, brick, steel and concrete factory. $500,000. R. H. Bartlett, 520 Atlantic St., Boston, engr. and archt. Noted Nov. 19.

Mass., Worcester—WAREHOUSE—M. J. Whittall Associates, Edgeworth Mill, Brussels St., having plans prepared by J. D. Leland & Co., 41 Mt. Vernon St., Boston, 4 story, 81 x 120 ft., brick, steel and concrete, plain foundation. $125,000.

Conn., Waterbury — FACTORY — Lux Clock Co., 85 Sperry St., soon lets contract 4 story, 50 x 320 ft., brick and timber, Johnson St. T. M. Freney, 51 Leavenworth St., archt. Noted Dec. 31.

N. Y., Brooklyn — ELECTRIC GENERATING PLANT—Brooklyn Edison Co., Pearl and Willoughby Sts., plans rein.-con., brick and steel, plain foundation, Ferris St. $2,000,000. Private plans.

N. Y., Buffalo—GARAGE and REPAIR SHOP—N. Mecca, 304 Connecticut St., plans 50 x 100 x 133 ft., rein.-con. and brick garage and repair shop. $60,000.

N. Y., Buffalo — MILLS — Great Lakes Portland Cement Co., A. L. Beck, pres., Marine Trust Co. Bldg., having preliminary plans prepared cement mills, Hamburgh Turnpike. $3,000,000.

N. Y., New York—PLANT—Amer. Meter Co., 105 West 40th St., having plans prepared by B. S. King, engr. and archt., 18 East 41st St., brick, steel and stone, plain foundation, 563 West 47th St. $$200,000.

N. Y., New York — PLANT — Benedict Metal Wks., Inc., 1648-70 Webster Ave., had plans prepared 3 story addition. $40,000-$50,000.

N. Y., New York—PLANT—A. C. Chesley Co., 704 East 133rd St., plans 2 story, rein.-con., brick and steel, plain foundation, East 133rd St. $130,000. Engineer and architect not selected.

N. Y., New York—BOILER HOUSE—Consolidated Gas Co., 130 East 15th St., having plans prepared by J. F. Hunter, engr. and archt., 30 East 58th St., 4 story, rein.-con., brick and steel, plain foundation, Hunts Point Ave. $175,000.

Pa., Woolrich—FACTORY—Rich Bros. having plans prepared 4 story 90 x 110 ft., woolen mills addition, brick and steel. Private plans.

Fla., Miami — STORAGE, etc. — Voted $445,000 bonds, building for storage, repair, etc.

O., Painesville — POWER HOUSE — See "Buildings—Educational, Religious."

Mich., Detroit — HEATING PLANT — Dept. Pub. Wks., City Hall, having plans prepared by Donaldson & Meier, 1310 Penobscot Bldg., 2 story and basement, 50 x 100 ft., rein.-con. and steel, plain foundation, Mullet St. $260,000.

Ia., Davenport — CEMENT PLANT — Dewey Portland Cement Co., 301 Mutual Bldg., Kansas City, Mo., plans plant, near here. $3,000,000.

Ill., Chicago — MACHINERY MART — Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., takes bids about Mar. 20, 12 story (ultimately 17 story) and basement, 115 x 150 x 320 ft., rein.-con., brick and steel, Canal and Clinton Sts. near Jackson Blvd., for Chicago Machinery Mart, 14 East Jackson Blvd. $3,200,000. Noted Nov. 12.

Ill., Waukegan — IRON FOUNDRY — Waukegan Fdry. Co., Terminal Bldg., making preliminary plans 1 and 2 story, 87x254 ft. foundry.

Wis., Appleton—GARAGE—See "Sewers."

Wis., Milwaukee—POWER HOUSE—See "Buildings—Educational, Religious."

Mo., St. Louis—TRANSFORMER PLANT—Amer. Brown Boveri Co., 165 Bway., New York City, N. Y., purchased 10 acre site and soon takes bids 1 and 2 story, rein.-con., Birsher St. near Union Blvd., here. $1,000,000. Private plans.

BIDS DESIRED

Mass., Watertown—FACTORY—Mar. 2, by Amer. Soda Fountain Co., Congress St., Boston, 2 story, 175 x 300 ft., brick and steel, Walnut St. To exceed $150,000. Monks & Johnson, 99 Chauncy St., Boston, archts.

Mass., Worcester—REPAIR and SERVICE GARAGE—Feb. 27, Mack Motor Truck Co., 75 North Beacon St., Boston, brick and steel, Shrewsbury St. $125,000. Warren Eng. Co., Terminal Wharf, Charleston, archts. Noted Jan. 7.

N. Y., Brooklyn — SERVICE GARAGE and REPAIR SHOP.

N. Y., Buffalo—GAS PLANT—See "Contracts Awarded."

N. J., Camden — SERVICE STATION — Mar. 2, by E. E. Seelye & Co., engrs. and archts., 101 Park Ave., New York City, 1 story and basement, 190 x 252 ft., rein.-con. and brick, plain foundation, 6th and Jefferson Sts., here, for Mack International Motor Truck Corp., 741 Market St. $175,000.

Pa., Allentown — FACTORY — See "Contracts Awarded."

Pa., Pittsburgh—FACTORY—Locomotive Stoker Co., 30 General Robinson St., taking bids 1 story, 30 x 180 ft., brick steel addition, Robinson St. Hunting, Davis & Dunnells, Century Bldg., archts. Noted Feb. 11.

Mich., Detroit — HEATING PLANT — Mar. 5, by J. W. Reid, comr. Pub. Wks., 2 story and basement, 50 x 99 ft., rein.-con., brick and steel heating plant, plain foundation, with 100 ft. radial brick stack on steel supports, also about 700 ft., 6½ ft. x 5 ft. rein.-con. tunnel for pipe lines, Mullet and St. Antoine Sts. E. R. Little Co., 1920 Ford Bldg., engrs. Donaldson & Meier, 1310 Penobscot Bldg., archts.

Wis., Milwaukee—FACTORY—Fredman Bag Co., 311 Bway., taking bids 4 or 5 story, 100 x 120 ft., brick and timber, plain foundation, 18th St. Private plans.

Wis., Milwauke—FACTORY—A. B. and B. Sheet Metal Wks., 3300 Fond du Lac Ave., taking bids 1 story, 36 x 130 ft., brick addition, plain foundation. H. J. Esser, 82 Wisconsin St., archt.

Tex., San Marcos — ICE PLANT — See "Contracts Awarded."

Calif., Lankershim — MAINTENANCE SHOP — Mar. 15, by State Hy. Comn., Sacramento, frame maintenance shop quarters, for storage, repair shops, etc., here. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Man., Winnipeg—PRINTING PLANT—Feb. 27, by T. Eaton Co., Ltd., 2 story and basement, 119 x 163 ft., rein.-con. and brick, plain foundation. $75,000. J. Woodman, Winnipeg, archt. Noted Feb. 18.

BIDS RECEIVED

Ia., Iowa City — HEATING PLANT — State Bd. Educ., W. H. Gemmill, secy., Feb. 16, 1 story and basement, 65 x 175 ft., brick and steel, plain foundation, on campus, here, for State University, from Theodore Stark Co., 118 South 11th St. W., Cedar Rapids, $288,347. Noted Feb. 4.

Calif., Bakersfield — NEWSPAPER PLANT — C. H. Biggar, archt., Bank of Italy Bldg., 2 story and basement, 70 x 121 ft., brick and concrete plant, (a) brick and steel (b) concrete, for Bakersfield Daily Californian, from H. Eissler, Bakersfield (a) approximately $83,000 (b) $74,000. Noted Feb. 18.

CONTRACTS AWARDED

Conn., Southington — HARDWARE FACTORY — Peck, Stow & Wilcox Co., Railway Sq., 2 story, 97 x 100 ft. brick addition, to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $65,000. Noted Nov. 10.

See proposal advertisements on page 132, Advertising Section.

Buildings—Industrial (Continued)

N. Y., Brooklyn — SERVICE GARAGE and REPAIR SHOP — A. Levine, c/o Magnuson & Kleinert, engrs. and archts., 250 Park Ave., New York City, will build rein.-con., brick and steel, plain foundation, Bedford Ave., here. $200,000. Work will be done by separate contracts.

N. Y., Buffalo—RADIATOR FACTORY—Fedus Mfg. Co., 21 Tonawanda St., 50 x 225 ft. rein.-con., brick and steel, Tonawanda St., to Peckham Constr. Co., Crosby Bldg., Buffalo, $50,000.

N. Y., Buffalo—GAS PLANT—Iroquois Gas Co., Iroquois Bldg., will build rein.-con. and steel addition, Bradley St., by day labor. $50,000. Private plans.

N. Y., Long Island City—MILL—Hasbrouck Flooring Co., 501 East 17th St., New York City, 4 story, rein.-con., brick and steel, plain foundation, here, to Belings-Bush Co., Inc., 299 Bway., New York City. Archts. est. $100,000.

Pa., Allentown — FACTORY — International Motor Car Co., will build 1 story 600 x 800 ft., brick and steel auto factory, by day labor. $400,000. L. H. Cutten, c/o owner, plant engr.

Pa., Bridgeville—FACTORY—Universal Steel Co., 1 story, 100x160 ft., brick and steel addition, to Ft. Pitt Bridge Wks., Canonsburg.

Pa., Pittsburgh — FACTORY — Crist & Schilker Co., Inc., 543 4th Ave., 2 story and basement 75x100 ft. metal products factory, 37th and Howley Sts., to Austin Co., Union Trust Bldg. Archts. est. $60,000.

W. Va., Charleston — PLANT — Owens Bottle Co., 1401 Nicholas Bldg., Toledo, O., general contract 2 story, 120 x 1,025 ft. bottle plant addition, here, to Rust Eng. Co., 311 Ross St., Phila., Pa. Archts. est. $500,000. Noted Feb. 4.

Fla., Tampa—POWER HOUSE, etc.—Tampa Electric Co., extending boiler room, erecting 200 ft. stack, enlarging outdoor substation, by power house, etc., to Stone & Webster, Inc., 147 Milk St., Boston, Mass.

Miss., Jackson—BOX FACTORY—Rathbone, Hair & Ridgeway Co., 2248 South Laflin St., Chicago, Ill., general contract 2 story, brick and timber, Hooker St., here, to J. Garber, 151 Minerva St., Jackson. Archts. est. $100,000.

O., Cleveland—PLANT—Cleveland Electric Illuminating Co., c/o R. Lindsay, pres. and genl. mgr., Illuminating Bldg., 3 story, 56 x 124 ft. switchhouse, 2 story, 34 x 86 ft. control house, and 1 story, 80 x 92 ft. oil storage building, brick, steel and concrete, Clinton Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $150,000. Noted Feb. 18.

Ill., Chicago—FACTORY—Horton-Loseer Co., 4024 North Rockwell St., general contract 1 story, 108 x 180 ft., brick, 4024 North Rockwell St., to H. A. Durr & Co., 123 West Madison St. Archts. est. $51,000.

Ill., Moline — FACTORY — Harrington-Seaberg Fire Alarm Telegraph Co., 1708 3rd Ave., 3 story, 60 x 120 ft., brick and concrete, 20th St., to A. Carlson, 1506 15th St. Archts. est. $60,000.

Ia., Des Moines—NEWSPAPER—Register & Tribune Publishing Co., 715 Locust St., general contract remodeling 3 story and basement, 66 x 133 ft., rein.-con., brick and steel, plain foundation, 8th and Locust Sts., to A. H. Newmann Co., 519 Hubbell Bldg., $96,849. Noted Feb. 18.

Mo., St. Louis — CONCRETE POLE PLANT—Westinghouse Electric & Mfg. Co., 717 South 12th St. (1st unit) 1 story, 80x475 ft., concrete and steel, Bingham St., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $75,000. Plans additional units later, total $1,000,000.

Tex., Galveston — COTTON MILL — Galvex Mills, Inc., 2427 N St., R. C. Stone, pres., cotton mill, to J. W. Zempter & Co., 2204 B St., approximately $200,000.

Tex., Plainview—FLOUR MILL—Harvest Queen Milling Co., A. G. Hinn, pres., 7 story, part basement, rein.-con., plain foundation, to Southwestern Eng. Co., Springfield, Mo., $150,000.

Tex., San Marcos—ICE PLANT—Texas Public Utilities Co., will rebuild ice plant, 45 ton daily capacity, brick, steel and concrete, by day labor. $50,000. Private plans.

Buildings—Commercial

PROPOSED WORK

Mass., Worcester — DORMITORY — Worcester Polytechnic Institution, R. Earle, pres., plans brick and steel, West St. $250,000.

R. I., Providence — OFFICE — T. E. Doherty, 1916 Westminster St., soon lets contract 3 story, 95 x 102 ft., brick and steel, plain foundation, Westminster St. and Olneyville Sq. $150,000. D. Dodd, 84 Broad St., Pawtucket, archt.

R. I., Woonsocket—CITY HALL—City, City Hall Com., plans new city hall. $1,000,000. Engineer and architect not selected.

Conn., Hartford — APARTMENT — H. Resnick, 34 Vine St., had plans prepared 4 story, 40 room, brick and steel, Main St. $250,000. Private plans.

Conn., Hartford—TEMPLE—St. John's, Hartford, Lafayette Tuscan, Blue Lodges, plan masonic temple, Farmington Ave. $1,000,000.

Conn., New Britain—TEMPLE—Masonic Temple Corp., c/o J. C. Loomis, ch., plans temple. $225,000.

Conn., New Haven—TEMPLE—Masonic Temple Assn., O. A. May, chn. finance com., plans 2 story with 2 mezzanines, 80 x 140 ft. Whitney Ave. Norton & Towsend, 405 Temple St., archts.

N. Y., Buffalo — APARTMENT — H. J. Cook, et al., having preliminary plans prepared by H. J. Cook, 408 Pearl St., 12 story, rein.-con., brick and steel apartment house. $1,225,000.

N. Y., Buffalo—PASSENGER STATION—New York Central R.R. Co., 466 Lexington Ave., New York City, plans brick, steel and stone passenger station, here. $12,000,000. G. W. Kittredge, Grand Central Terminal, New York City, ch. engr. W. J. Jordan, Express Bldg., 30th St., local engr.

N. Y., Long Beach—HOTEL—Island Park Building Corp., c/o Wilkinson & Hyde, engrs. and archts., 19 West 44th St., New York City, soon takes bids 5 story, brick, steel and stone, plain foundation. $200,000. Noted Feb. 11.

N. Y., Long Island City—Y.M.C.A., M. J. Stickel, secy., plans 29 story, brick, steel and stone building, plain foundation. Engineer and architect not selected.

N. Y., Mt. Vernon — APARTMENT — Susswell Realty Co., c/o L. A. Abramson, archt., 48 West 46th St., New York City, having plans prepared 7 story, 200 x 240 ft., brick, steel and stone, plain foundation, Sheridan Blvd. $500,000.

N. Y., New York — APARTMENT — Naples Holding Co., c/o Bates & Franklin, engrs. and archts., 645 East Tremont Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Naples and Goodwin Terraces. $200,000.

N. Y., New York—APARTMENT—Beresford Corp., B. Gordon, pres., c/o Sugarman & Bergen, engrs. and archts., 345 Madison Ave., having plans prepared 26 story, brick, steel and stone, plain foundation, 211 Central Park West. $3,800,000.

N. Y., New York—APARTMENT—One Thousand Eight Hundred Sixty-One University Ave. Corp., c/o Gronenberg & Leuchtag, engrs. and archts., 450 4th Ave., having plans prepared 15 story, brick, steel and stone, plain foundation, 9 East 96th St.

N. Y., New York—APARTMENT—A. K. Constr. Co., c/o H. J. Feldman, archt. and engr., 516 5th Ave., having plans prepared brick, steel and stone, plain foundation, Mt. Eden Ave. $300,000.

N. Y., New York—APARTMENT—Silberk Realty Corp., c/o L. Stillman, archt. and engr., 311 Lenox Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Powers Ave. $185,000.

N. Y., New York—HOTEL—W. Rosenthal, c/o G. and E. Blum, archts. and engrs., 415 Lexington Ave., having plans prepared 12 story, brick, steel and stone, plain foundation, 62 West 52nd St. $500,000.

N. Y., New York—HOSPITAL—St. Elizabeth Hospital, 415 West 51st St., soon lets contract 6 story, 120 x 200 ft., brick, steel and stone, plain foundation, Fort Washington Ave. $800,000. O'Connor, Delaney & Schultz, 162 East 37th St., engrs. and archts. Noted Jan. 7.

N. Y., New York—LOFT—Trinity Church Corp., c/o Parker & Shaffer, engrs. and archts., 280 Madison Ave., having plans prepared 12 story, rein.-con., brick and steel, plain foundation, Varick St. $1,000,000. Noted Nov. 5.

N. Y., New York—PUBLIC SERVICE—New York Edison Co., East 15th St., having plans prepared by T. E. Murray, Inc., engrs. and archts., 55 Duane St., 7 story, rein.-con., brick and steel, plain foundation, 14th St. and Ave. D. $1,200,000.

N. Y., Richmond Hill (Ind. br. Jamaica) COMMUNITY CENTER — Knights of Columbus, 799 7th Ave., New York City, having plans prepared by W. J. Boegel, engr. and archt., 185 Madison Ave., New York City, 2 story, brick, steel and stone, plain foundation, 110th St. and Atlantic Ave., here. $350,000.

N. J., Mt. Holly—HOSPITAL—Burlington Co. Hospital, c/o Morris & Erkstine, archts., 1716 Cherry St., Phila., Pa., having plans prepared for hospital. $300,000.

N. J., New Brunswick—HOSPITAL—St. Peters Hospital, J. H. Conger, vice pres., had plans prepared by McGinnis & Walsh, 100 Boylston St., Boston, Mass., 5 story, brick and limestone, Easton Ave. $800,000. Noted Oct. 29.

N. J., Trenton—APARTMENT—Durema Constr. Co., c/o D. A. Dugan, 420 Bellevue Ave., plans 3 story, 100 x 125 ft. apartment. $200,000.

Pa., Allentown — HOSPITAL — Sacred Heart Hospital, having plans prepared by Jacoby & Everett, Commonwealth Bldg., 4 story and basement, 60 x 150 ft. hospital. $300,000.

Pa., Latrobe — BANK and OFFICE — Citizens Natl. Bank having plans prepared by Bartholomew & Smith, Greensburg, 6 story and basement, 60 x 70 ft., brick and stone bank and office building. $350,000.

Pa., Phila.—APARTMENT—P. N. Julian, archt., 823 15th St. N. W., Wash, D. C., soon lets contract 10 story and basement, 163 x 190 ft., rein.-con., brick and steel, plain foundation, 43 Locust St., for 43rd & Locust St. Building Co., c/o architect. $1,500,000.

Pa., Phila.—APARTMENT—J. S. Fuller, archt., 5438 Locust St., preparing plans 4 story and basement, 41 x 120 ft., rein.-con., brick and steel, plain foundation, 48 Chestnut St. $150,000. Owner's name withheld.

Pa., Pittsburgh — HOTEL — Pittsburgh Pennsylvania Hotel Corp., c/o A. W. Wyckoff, 728 Frick Bldg., having plans prepared by Ballinger Co., engrs. and archts., 150 South 12th St., Phila., and G. B. Post & Sons, associate archts., 101 Park Ave., New York City, N. Y., 21 story and basement hotel, Wm. Penn Way, 7th, Grant and Liberty Sts. $1,500,000.

Pa., Pittsburgh—TEMPLE—Feb. 24, by F. Giffen, archt., Magee Bldg., 3 story and basement, 63 x 110 ft., brick and tile, Chartiers Ave., for Sherrod Temple Assn., c/o architect. $150,000.

Pa., Scranton — OFFICE — Carpenters Union, 332 Lackawanna Ave., having plans prepared by A. J. Ward, County Bank Bldg., 2 story and basement, 50 x 150 ft., rein.-con., brick and steel, Lackawanna Ave. $150,000.

Pa., Wellsboro — HOSPITAL — Soldiers and Sailors Memorial Assn., 107 Main St., Wellsboro, having plans prepared by Kast & Kelker, 222 Market St., Harrisburg, 3 story and basement hospital, here. $400,000.

Ga., Atlanta — CITY HALL — Election Mar. 24, $1,000,000 bonds, new city hall. W. Sims, mayor. Noted Jan. 21.

Fla., Miami—HOSPITAL—Voted $150,000 bonds, addition to hospital.

Fla., Miami—HOTEL—W. G. Just, 18th Northwest Ave., having plans prepared by F. A. Kloepfer, 406 Northeast 2nd Ave., 24 story, Gypsum tile and steel, on 40 x 80 ft. site, Southwest 1st Ave. and Southwest 1st St. $1,250,000.

Ala., Sheffield — HOSPITAL — Election Mar. 15, $75,000 bonds, hospital. $75,000 donated.

O., Cleveland—HOSPITAL—Charity Hospital, c/o Sister Superior, East 22nd St. and Central Ave., raising $1,200,000 funds new 5 story nurses home, laboratory, chapel, etc., East 22nd St. and Central Ave. G. S. Rider Co., Century Bldg., archts.

Ind., Gary—CLUB—Knights of Columbus, J. W. McLaughlin, chn., takes bids about Mar. 1, 9 story and basement, 125 x 175 ft., brick, steel and rein.-con., 5th and Madison Sts. $750,000. Porter & McNally, 3030 Euclid Ave., Cleveland, O., archts. Noted Dec. 3.

Wisconsin — HOSPITALS — Milwaukee Co., H. O. P. Franke, chn. com., 4419 North Ave., Milwaukee, plans 568 bed hospital, Grand Ave., Wauwatosa, $1,100,000; also 50 bed emergency hospital and dispensary, 24th St. and Grand Ave., Milwaukee. Engineer and architect not selected.

Mo., Kansas City—WAREHOUSE—J. F. and F. O. Butler, 223 West Monroe St., Chicago, Ill., having preliminary plans prepared by P. H. Anthony, 202 Main Street Theatre Bldg., warehouse, 6th St. Traffic Way between May and Wyondotte Sts., here. $1,000,000.

Ark., Ft. Smith—CLUB HOUSE—See "Unclassified."

See proposal advertisements on page 132, Advertising Section.

Buildings—Commercial (Continued)

Tex., Dallas—THEATRE and OFFICE—Loew's Theatres, Inc., 1540 Bway., New York City, plans 10 story office and theatre, 3,000 seating capacity, here. $2,000,000.

Tex., San Antonio — COURTHOUSE — Bexar Co. takes bids about Mar. 5, 5 story and basement, concrete, brick and stone annex, Military Plaza. $1,000,000. E. T. Jackson, Builders Exch. Bldg., and Phelps & DeWees, Gunter Bldg., archts. Noted Dec. 24.

Tex., San Antonio—THEATRE and OFFICE—Loew's Inc., 1540 Bway., New York City, N. Y., T. Turner, publicity dir., plans 6 or 7 story, fireproof theatre and office, here. $500,000.

Okla., Ada—COURT HOUSE—Pontotoc Co. soon takes bids 4 story and basement, 73 x 104 ft., brick and stone court house. $150,000. Butler Co., 514 Herskowitz Bldg., Oklahoma City, archts. Noted Dec. 31.

Wash., Seattle—BANK—C. Linde, archt., Seaboard Bldg., preparing plans and takes bids about Mar. 30, 3 story, basement and sub-basement, 60 x 120 ft., marble, 1414 4th Ave., for Puget Sound Savings & Loan Assn., 300 Pike St. $500,000.

Wash., Seattle — OFFICE and WAREHOUSE—Beeb & Gould, archts., Hoge Bldg., soon lets contract 4 story, 120 x 150 ft., rein.-con., 1st South and Atlantic Sts., for Zellerbach Paper Co., 807 Western Ave. $150,000.

Wash., Tacoma—TEMPLE—A. J. Russell, archt., Bankers Trust Bldg., soon lets contract 5 story, 124 x 134 ft., rein.-con., steel and cast stone temple, for Masonic Lodge, 743 Market St.

Calif., Los Angeles—THEATRE—Morgan, Walls & Clements, archts., Van Nuys Bldg., soon take bids rein.-con., Hollywood Blvd., for Hollywood Music Box, Inc., c/o architects. $150,000. Noted Nov. 26.

Calif., San Francisco—HOTEL—G. A. Applegarth, archt., Claus Spreckels Bldg., making sketches 15 story and basement, probably rein.-con., vicinity of Geary and Taylor Sts. $1,000,000. Owner's name withheld.

Calif., San Francisco — OFFICE and CLUB—H. Law, Monadnock Bldg., plans approximately 22 story and basement, 76x100 ft., fireproof, Sutter and Powell Sts. Engineer and architect not selected.

Calif., San Francisco — STORE — See "Buildings—Industrial."

BIDS DESIRED

Mass., Brockton—OFFICE—Majestic Co., c/o C. T. Olson, archt., Main St., taking bids 3 story, brick and stone, Main St. $160,000.

Conn., New Haven—APARTMENT—See "Contracts Awarded."

N. Y., Brooklyn — OFFICE, THEATRE and STORE — See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—OFFICE—See "Contracts Awarded."

N. Y., Thiells—HOSPITAL—Mar. 11, by Supt. Purchase, Capitol, Albany, hospital, etc. at Letchworth Village, here; adv. E. N.-R. 25.

O., Cleveland — STORE — Mar. 3, by Walker & Weeks, archts., 1900 Euclid Ave., 6 story and basement, 200 ft. wide, brick, steel and rein.-con., Huron Rd., for Halle Bros. Department Store. $750,000. Noted Jan. 28.

Wis., Kenosha—THEATRE, STORE and OFFICE—See "Contracts Awarded."

Wis., Milwaukee — APARTMENT and STORE — Lillydahl Corp., 425 East Water St., taking bids 3 story and basement, 44 x 125 ft., brick and steel, plain foundation, Astor St. $150,000. Private plans.

Wis., Milwaukee—BANK—Feb. 27, by Dick & Bauer, archts., 811 State St., 1 story and basement, 42 x 130 ft., rein.-con., stone and brick, plain foundation, for Teutonia Ave. State Bank, 1074 Teutonia Ave. $150,000. Noted Oct. 1.

Calif., Alhambra—HOTEL, APARTMENT and STORE—Nelson & Wiley, Bank of Italy Bldg., Los Angeles, taking bids 5 story and basement, 90 x 170 ft., rein.-con., 1st St. and South Garfield Ave. $225,000 or more.

Calif., Los Angeles—STORE and OFFICE—Walker & Eisen, Great Republic Bldg., taking bids 2 story, 135 x 180 ft., concrete, Bway. and Temple Sts., for Paules & Hartfield, c/o architects. Noted Jan. 21.

Calif., Los Angeles—STORE and OFFICE—Curlett & Beelman, archts., Union Bank Bldg., taking bids 12 story and basement, 81 x 150 ft., brick and steel, 5th and Bway. Sts., for C. Williams. Steel contract, to Llewllyn Iron Wks., 1200 North Main St.

Ont., London—OFFICE—Mar. 10, by J. M. Moore, archt., 489 Richmond St., 4 story office building, Wellington St., for London Life Insurance Co. $1,000,000. Noted Jan. 28.

BIDS RECEIVED

O., Cleveland — COTTAGE — Dept. Welfare, 9th and Oak Sts., Columbus, Feb. 13, 2 story and basement, 102 x 140 ft., brick, steel and concrete, Hawthornden Farm, from V. W. Surber, 109 North Union St., Akron, $24,514. Noted Jan. 28.

Wash., Zenith — MASONIC HOME — Heath, Gove & Bell, archts., Pacific Savings Bank Bldg., Tacoma, 5 story, 30,000 sq.ft. floor space, fireproof, here, from Morris Hoard, Inc., Pantages Bldg., Seattle, for Washington State Masonic Home. $441,999. Noted Jan. 21.

CONTRACTS AWARDED

Me., Portland — Y.M.C.A., 5 story and basement, brick and stone Forest Ave., to F. A. Rumery Co., 537 Congress St., $350,000. Noted Nov. 12.

Mass., Somerville (Boston P. O.)—THEATRE—G. Vartigian c/o J. Tuck, archt., Park Sq. Bldg., Boston, 1 story and basement, brick and steel, Bway., to J. Greenwood, 101 Tremont St., Boston. Archts. est. $200,000. Noted Dec. 17.

R. I., Providence—THEATRE—J. Conn, 104 Broad St., superstructure 2 story, 60 x 95 ft., brick and steel, Bway. and Westminster St., to Mahoney & Tucker, 72 Weybosset St. Archts. est. $500,000. Noted Feb. 18.

Conn., New Haven — APARTMENT — J. Heller, 18 Anthony St., will build 3 story, 65 x 160 ft., brick and steel, Elm and Boulevard Sts., by day labor. $150,000. C. H. Abramowitz, 42 Church St., archt.

N. Y., Brooklyn — OFFICE, THEATRE and STORE — H. E. Witteman, 6908 5th Ave., will build 14 story, 200 x 200 ft., brick, steel and stone, plain foundation, Flatbush Ave. extension and De Kalb Ave. $1,200,000. Work will be done by separate contracts. Engineer and architect not selected.

N. Y., New York — APARTMENTS — Baker Field Building Corp., c/o C. N. Whinston & Bro., engrs. and archts., 2 Columbus Circle, two 6 story, 120 x 160 ft. and 100 x 140 ft., brick, steel and stone, plain foundation, West 167th St. and University Ave., to Lever Constr. Co., 132 West 43rd St. Archts. est. $250,000 each.

N. Y., New York—APARTMENT—C. E. Forman, c/o J. E. R. Carpenter, engr. and archt., 598 Madison Ave., brick, steel and stone, plain foundation, 168 East 79th St., to T. E. Rhoades Co., Inc., 342 Madison Ave. Archts. est. $500,000.

N. Y., New York—APARTMENT—P. H. Constr. Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, Walton Ave., by day labor. $250,000.

N. Y., New York — APARTMENT — Walart Constr. Co., c/o Margon & Glaser, archts. and engrs., 20 West 57th St., will build 5 story, 88 x 150 ft., brick, steel and stone, 206th St. and Perry Ave., by day labor. $300,000.

N. Y., New York—OFFICE—W. F. Chatlos, Broad St., Stratford, Conn., will build 27 story, brick, steel and stone, Lexington Ave. and 51st St., here, by day labor. J. W. Northrop, 211 State St., Bridgeport, Conn., archt.

Pa., Phila. — EXHIBITION—Sesquicentenial Comn., at office H. T. Baxter, executive secy., 926 Widener Bldg., piling and filling for site of Pennsylvania State Building, 1 story, 225x330 ft. with wing, 90 ft. at each end, stucco and steel, State St. and Pattison Ave., to Martin & Breen, 1613 Sansom St., $28,930. Noted Feb. 11.

Pa., Pittsburgh — HOSPITAL — West Pennsylvania Hospital, Friendship Ave., general contract 6 story and basement addition, to D. T. Riffle, 1007 Forbes St. Archts. est. $500,000.

Pa., Wilkes-Barre — APARTMENT and STORE—Lawrence Myers Estate, c/o D. T. Scotts, agt., 10 East Jackson St., general contract, 4 story and basement, 150x150 ft., brick and stone, Main St., to Gibbon & Kohl, 146 East Northampton St.; foundation, to M. B. Roth, 295 South Main St.; and steel, to McClintock-Marshall Constr. Co., Pottstown. Archts. est. $275,000.

Fla., Coral Gables—THEATRE and OFFICE—Coral Gables Theatre Co., Alcazazr Ave., 2 story, 100 x 150 ft., steel and rein.-con., Ponce de Leon Blvd., to Hemmings Constr. Co., Coral Gables, approximately $300,000.

Fla., St. Augustine—HOTEL, CLUB, etc. —See "Unclassified."

O., Cleveland Heights (Warrensville P. O.)—COMMERCIAL—C. Fair Development Co., c/o K. H. Smith, Chester 12th Bldg., Cleveland, 3 story and basement, 56 x 223 ft., brick, steel and concrete, 12456 Cedar Rd., here, to S. W. Emerson Co., 1836 Euclid Ave., Cleveland. Archts. est. $300,000.

Mich., Detroit—SERVICE and SALES—A. Kahn, archt., 1000 Marquette Bldg., 2 story and part basement, 131x147 ft., rein.-con. and brick, plain foundation, Hague Ave., to Malow-Barry Co., 2631 Woodward Ave., for Packard Motor Car Co., East Grand Blvd. Archts. est. $150,000. Noted Jan. 21.

Mich., Fordson (mail Detroit)—HOTEL—Owner c/o J. H. G. Steffens, archt., 415 Brainard St., Detroit, 4 story and basement, 60 x 100 ft., brick and steel, plain foundation, Jonatha Ave., to Malow-Barry Co., 2631 Woodward Ave., Detroit. Archts. est. $150,000. Noted Jan. 28.

Wis., Kenosha—THEATRE, STORE and OFFICE—Dahl Constr. Co., 1563 Salem Ave., will build 1 and 2 story, 68 x 172 ft., brick and concrete, plain foundation, Salem Ave., by day labor. $150,000. Private plans.

Ia., Des Moines — LODGE — Des Moines Consistory, general contract 5 story and basement, 117x163 ft., rein.-con., brick and steel, plain foundation, 6th and Park Sts., to A. H. Newmann Co., 519 Hubbell Bldg., $530,791; plumbing and heating, to Walker Plumbing & Heating Co., 1711 Grand St., $56,465. Noted Feb. 11.

Tex., San Antonio—HOTEL—Smith Bros. Development Co., Crockett, 12 story and basement, 122x150 ft., stone and brick, Villita and St. Marys Sts., to McKenzie Constr. Co., Travis Bldg., approximately $375,000. Noted Jan. 14.

Calif., Beverly Hills — CLUB — Bel-Air Country Club, 1 story, 80 x 100 ft. with 50 x 110 ft. and 20 x 90 ft. wings, rein.-con., to Benet & Co., 416 Beverly Dr., $151,250.

Calif., Los Angeles — BANK — Morgan, Walls & Clements, superv. archts., 1124 Van Nuys Bldg., 1 story and basement, 80 x 130 ft., rein.-con., North Main St., to Simpson Constr. Co., Bank of Italy Bldg., for Bank of Italy, 501 West 7th St. $185,000. Noted Jan. 14.

Calif., San Francisco—OFFICE—Hunter-Dulin & Co., 256 Montgomery St., approximately 5,000 tons steel for 24 story and basement, Sutter and Montgomery Sts., to U. S. Steel Products, Rialto Bldg.; grading, to Granfield, Farrar & Carlin, 67 Hoff Ave. Archts. total est. $3,000,000. Noted Feb. 4.

Calif., San Jose—THEATRE—Weeks & Day, archts., 315 Montgomery St., San Francisco, rein.-con. and steel, 1,500 seating capacity, South 1st St., to Barrett & Hilp, 918 Harrison St., San Francisco, $265,500. Noted Feb. 18.

Calif., Santa Monica — HOSPITAL — Santa Monica Hospital, 3 story and basement, 100 x 125 ft., rein.-con., 16th St. and Arizona Ave., to Western States Constr. Co., 6001 Santa Monica Blvd., Los Angeles. Noted Jan. 14.

Man., Winnipeg — DEPARTMENTAL STORE — Hudson Bay Co., 6 story, 200 x 400 ft., rein.-con. and brick, caisson foundation, Portage Ave., to Carter, Halls & Aldinger Co., Winnipeg, cost plus basis. Archts. est. $2,000,000.

Ont., Toronto—GARAGE—York-Adelaide Realty Co., York and Adelaide Sts., general contract 3 story, 100 x 200 ft., rein.-con., brick and stone, plain foundation, to Jackson Lewis Co. Ltd., Federal Bldg. Archts. est. $400,000.

Buildings—Educational Religious

Mass., Worcester—SCHOOL—City, Pub. Building Dept., having plans prepared by Frost, Chamberlain & Edwards, 390 Main St., 2 story and basement, brick and steel, Thorndyke Rd. $150,000.

R. I., Woonsocket — HIGH SCHOOL — City, School Com., City Hall, had plans prepared by W. F. Fountaine, 285 Main St., Junior High School, 3 story, brick and steel, Villa Nova Sect. $500,000.

N. Y., Albany—COLLEGE PHARMACY—Albany College of Pharmacy, W. Mansfield, dean, plans 3 story, brick and limestone, New Scotland Ave.

N. Y., Brooklyn—PAROCHIAL SCHOOL—St. Johns College, Lewis Ave., takes bids about Feb. 23, brick, steel and stone, plain foundation, Lewis Ave. $500,000. J. F.

See proposal advertisements on page 132, Advertising Section.

Buildings—Educational, Religious (Cont.)

Cook, Union Bldg., Newark, N. J., engr. and archt. Noted Jan. 7.

N. Y., Buffalo—CHURCH—St. Francis de Sales, Northland Ave. and Humbolt Parkway having preliminary plans prepared by Murphy & Olmstead, 1413 H St. N. W., Wash., D. C., 2 story, 86 x 140 ft., stone, Northland Ave. $200,000.

N. Y., Buffalo—UNIVERSITY—University of Buffalo, Main St., having plans prepared by C. K. Porter, 73 West Eagle St., additions and repairs to university. $300,000.

N. Y., Croton Falls—SCHOOL—Bd. Educ. having plans prepared by Knappe & Morris, engrs. and archts., 171 Madison Ave., New York City, brick, steel and stone school, plain foundation. $300,000.

N. Y., Depew — HIGH SCHOOL — Bd. Educ., A. Schoen, pres. having preliminary plans prepared by F. A. Spangenburg, 250 Delaware Ave., Buffalo, 3 story, 120 x 120 ft., brick and limestone addition. $150,000.

N. Y., Locust Valley — SCHOOL — Bd. Educ., plans brick, steel and stone, plain foundation. $375,000. Private plans.

N. J., Bernardsville—HIGH SCHOOL—Bd. Educ. Bernardsville Twp., having plans prepared by Rasmussen & Wayland, engrs. and archts., 36 West 47th St., New York City, brick, steel and stone, plain foundation. $260,000.

Pa., Dickinson — CHURCH, PARISH HOUSE and SCHOOL — Dickinson Presbyterian Church, having preliminary plans prepared by W. W. Johnson, 202 Herr St., Harrisburg, 1 story brick church, parish house, school and auditorium. $250,000.

Pa., Hughesville — HIGH SCHOOL — Hughesville Holding Co., c/o I. Shaffer, pres., plans 3 story and basement, 90 x 140 ft., brick and steel school, incl. gymnasium, etc. $150,000. Engineer and architect not announced.

Pa., Lancaster—CHURCH and SUNDAY SCHOOL — Faith Reformed Church, 526 South Duke St., had plans prepared by Richter & Eiler, 147 North 5th St., Reading, 1 story and basement, 69 x 109 ft. church and sunday school.

Pa., Lewisburg—CHILDRENS HOME—Northumberland Presbytery, J. H. Wolf, pres., Mt. Carmel, plans 3 story and basement, orphanage, hospital and school, here. $150,000.

Pa., Washington—LIBRARY and GYMNASIUM—Washington and Jefferson College, having plans prepared by Hopkins & Dentz, 415 Lexington Ave., New York City, for library and gymnasium. $150,000.

Ga., Atlanta—SCHOOLS—Election Mar. 24, $3,500,000 bonds, school buildings and equipment. W. Sims, mayor. Noted Jan. 21.

O., Cleveland — SCHOOL and PARISH HOUSE — Holy Cross Church, T. A. Kirby, pastor, having plans prepared by J. L. Collins, 7016 Euclid Ave., 2 story and basement, brick, steel and concrete, Lake Shore Blvd. and East 200th St. $150,000.

O., Mt. Vernon—CHURCH—1st Methodist Episcopal Church, c/o P. L. Wilkins, judge, soon lets contract 2 story and basement, 115x122 ft., brick, steel and concrete church. $200,000. Reibel Sons & Matheny, 1st Natl. Bank Bldg., Columbus, archts.

O., Painesville—DORMITORY, etc.—Lake Erie College for Women having plans prepared by A. Garfield, Natl. City Bldg., Cleveland, 1 and 2 story, brick, steel and concrete dormitory, music studio and power house, Euclid Rd. $400,000.

Ill., Urbana — ARCHITECTURAL—University of Illinois having plans prepared by J. J. White, 255 Administration Bldg., Urbana and C. A. Platt, 101 Park Ave., New York City, and soon takes bids 3 story rein.-con., brick and stone, on campus. $500,000.

S. D., Aberdeen—CHURCH—First Presbyterian Church, c/o F. E. Reese, had plans prepared by G. Fossum, 318 Van Slyke Bldg., and soon takes bids, 100 x 42 ft., rein.-con., brick and stone church. $150,000.

Mo., Kansas City — CHURCH, HOTEL, THEATRE — Linwood Blvd. Christian Church, B. A. Jenkins, pastor, Linwood Blvd. and Forest Ave., having preliminary sketches made by H. F. Almon, 1004 Orear Leslie Bldg., first 2 stories 150 x 275 ft., next 8 stories 150 x 160 ft., and a tower equal to about 6 stories, Linwood Blvd., Troost to Harrison Sts. $2,000,000.

Tex., Ranger—HIGH SCHOOL—Election soon $200,000 bonds, rein.-con., brick and stone, plain foundation for Bd. Educ. $200,000. Select architect soon.

Okla., Norman—GYMNASIUM—State Bd. Affairs, Capitol Bldg., Oklahoma City, had plans prepared by Layton, Hicks & Forsythe, Braniff Bldg., Oklahoma City, and takes bids in spring 2 story and basement, rein.-con. and brick, plain foundation, on campus, here, for University of Oklahoma. $186,000.

Calif., Auburn—HIGH SCHOOL—Voted $250,000 bonds, altering and constructing 2 additions, incl. auto mechanics shops, for Placer Union High School Dist. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Nov. 26.

Calif., Claremont — EDUCATIONAL — Claremont Church, having plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, 2 story and basement, 116 x 171 ft., stucco educational building. $150,000.

Calif., Escondido — HIGH SCHOOL — Escondido Union High School Dist. having plans prepared by Kistner & Co., Detwiler Bldg., 2 story and basement, 75 x 180 ft., rein.-con. and brick high school. Noted April 9.

Calif., Modesto—HIGH SCHOOL—Election $650,000 bonds, fireproof high school.

Calif., Pittsburg — HIGH SCHOOL and GYMNASIUM—Pittsburg High School Dist. having plans prepared by Stone & Warner, 337 17th St., Oakland, fireproof high school and gymnasium. $150,000.

Calif., Sanger—SCHOOL—Sanger Union High School Dist. plans election $270,000 bonds, additional wings and auditorium for high school.

Ont., Toronto — COLLEGIATE — Bd. Educ., 155 College St., having plans prepared by C. E. Dyson, c/o owner, 3 story and basement, rein.-con., brick and stone, plain foundation, in Parkdale. $165,000.

Ont., Toronto—SCHOOL—Holy Blossom Synagogue, 115 Bond St., plans 2 story and basement, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

BIDS DESIRED

Mass., Fall River — HIGH SCHOOL — City, School Bd., taking bids 3 story and basement, 45 room, brick and steel, Norwood St. $750,000. L. G. Destremps, 11 Pleasant St., archt. Noted Nov. 12.

Mass., Framingham—CHURCH-PARISH HOUSE—Feb. 26, by 1st Unitarian Church, c/o C. M. Baker, archt., 25 Arch St., Boston, 2 story and basement, 43 x 120 ft. church and 40 x 85 ft. parish house, brick and steel, Vernon St. $150,000.

Mass., Orange—SCHOOL—Mar. 9, by Bd. Educ., brick, steel and stone, plain foundation. $200,000. Tooker & Marsh, 101 Park Ave., New York City, archts.

Mass., Woburn — CHURCH—Baptist Church, c/o C. B. Dunham, archt., 6 Beacon St., Boston, taking bids 1 story and basement, brick and steel, Winn and Park Sts. $150,000.

Conn., Danielson — HIGH SCHOOL — Mar. 10, by Town, F. A. Jacobs, chn. com., 2 story and basement, 50 x 91 ft. and 50 x 91 ft. brick and steel, addition Killimgly High School. $150,000. Sellew & Towner, 363 Main St., Middletown, Archts. Noted Dec. 24.

Conn., Middletown—LIBRARY—Mar. 3, by Wesleyan University, J. H. McConaughty, pres., Olen Memorial Library, brick and stone. $200,000. McKim, Meade & White, 101 Park Ave., New York City, archts.

Conn., Stamford—SCHOOL—Mar. 3, by City, C. H. Martin, school com., Rogers School, 3 story and basement, brick and steel, Lockwood Ave. $275,000. Allen & Chapman, 315 5th Ave., New York City, archts. Noted Feb. 18.

Pa., Phila.—SCHOOL—Mar. 2, by Bd. Educ., 19th and Chestnut Sts., J. D. Cassell, supt. buildings, 3 story, attic and basement, 109x165 ft., rein.-con. and brick, plain foundation, 6th and Master Sts. $500,000. I. T. Catharine, 19th and Chestnut Sts., archt.

Pa., Pittsburgh—RECTORY—Feb. 28, by St. Pauls Cathedral, 5th Ave. and Craig St., and C. G. Strong, archt., Keystone Bldg., 3 story and basement, irregular shape, 5th Ave. and Dithridge Sts. $350,000.

Pa., West Pittston (Pittston P. O.)—HIGH SCHOOL—Mar. 8, by School Dist., P. Beran, pres., 2 story and basement, 50x300 ft., brick and stone school. $250,000. Mack & Sahm, Coal Exch. Bldg., Wilkes-Barre, archts.

O., Dayton—SCHOOL—Mar. 19, by C. J. Schmidt, clk.-treas. Bd. Educ., for Harrison School, 2 story and basement, rein.-con. and brick, plain foundation, West Side. $275,000. Pretzinger & Musselman, Reibold Bldg., archts.

O., Lakewood (Cleveland P. O.) — SCHOOL — Mar. 13, by Bd. Educ., G. W. Grill, clk., 1456 Warren Rd., Cleveland, 2 story and basement, brick, steel and concrete, Lake and Whippoorwill Aves., here. $250,000. Howell & Thomas, 4500 Euclid Ave., Cleveland, archts. Noted Dec. 17.

O., Oakharbor — CHURCH — Mar. 3, by Corbusier, Lenski & Foster, archts., B. F. Keith Bldg., Cleveland, 1 story and basement, 56 x 140 ft., brick and steel, for St. Johns Lutheran Church, B. F. Brandt, pastor. $150,000.

Ind., Bloomington—SCHOOL—Mar. 1, by School Trustees, G. F. Holland, pres., 2 story, brick, steel and rein.-con. school $155,000. A. Grindle, Bloomington, archt. Noted Dec. 3.

Ind., Valparaiso—SCHOOL—Mar. 10, by Bd. Trustees, C. W. Bouches, supt., 3 story and basement, rein.-con. and brick school $300,000. Perkins-Fellows & Hamilton, 814 Tower Court Bldg., Chicago, Ill., archts. Noted Jan. 7.

Ill., Polo—HIGH SCHOOL—Mar. 5, by Bd. Educ., H. Typer, secy., at G. A. R. Hall, 2 story and basement, 80x110 ft., concrete and brick high school. $150,000. Royer, Danley & Smith, Flat Iron Bldg., Urbana, archt.

Wis., Black River Falls—SCHOOL—Mar. 2, by Bd. Educ., A. P. Jones, clk., (1st unit), 2 story and basement, 60 x 180 ft., rein.-con., brick and steel, plain foundation. $150,000. E. Tough, Washington Bldg., Madison, archt.

Wis., Milwaukee—SCHOOL—Mar. 2, by Herbst & Kuenzli, archts., 130 Grand Ave., 3 story and basement, 68 x 133 ft., rein.-con., brick and tile, plain foundation, Grove St., for St. Stanislaus Church, 404 Mitchell St. $200,000. Noted Dec. 10.

Minn., Minneapolis—BOTANY—Mar. 4, by Dept. Administration & Finance, Capitol, St. Paul, 3 story and basement, rein.-con., brick and stone at University, here. $200,000. Former bids rejected. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt. Noted Feb. 11.

Mo., Pittsburg—SCHOOL—Mar. 1, by Bd. Educ., 2 story and basement, 185 x 200 ft., and 2 story, 133 x 150 ft., brick and concrete school. $150,000. C. A. Smith, 800 Finance Bldg., Kansas City, archt.

Mo., St. Louis—SCHOOL—Mar. 3, by Bd. Educ., 911 Locust St., Lowell Grade School, 3 story, rein.-con., brick and stone, Von Phul and Linton Aves. $260,000. R. M. Milligan, c/o Bd. Educ., archt. and engr.

Neb., Grand Island—CHURCH—Mar. 3, by J. A. Duffy, bishop Catholic Church, brick and stone church. $200,000. Brinkham & Hagan, Emporia, Kan., archts.

Calif., Los Angeles—SCHOOL—Mar. 3, by Bd. Educ., Wiggins Trade School, 2 sections, one 2 story 120 x 250 ft., and other 10 story, 97 x 115 ft., rein.-con. school. To exceed $500,000. Ashley & Austin, Chamber of Commerce Bldg., archts. Noted Feb. 4.

Calif., Pasadena—HIGH SCHOOL—Mar. 1, by Bd. Educ., 2 story, 160 x 200 ft., rein.-con. addition to Center-Oak Knoll High School. $200,000. Austin & Ashley, Chamber of Commerce Bldg., Los Angeles, archts. Noted Jan. 28.

BIDS RECEIVED

Mass., Winchester—SCHOOL—Town, C. R. Main, chn., general contract 2 story and basement, brick and steel, Highland Ave., from Bennett Constr. Co., 10 Tremont St., Boston, $96,140. Noted Feb. 11.

Pa., Ardmore—HIGH SCHOOL—Lower Merion Twp. School Dist., Feb. 5, general contract, two 3 story and basement, 69x84 ft., rein.-con. and brick wings to Senior High School, plain foundation, Montgomery Ave. and Church Rd., from Wills-Bill Co., 1706 Sansom St., Phila., $274,724; heating and ventilating, from N. Connelly, 1404 North 18th St., $27,107. Noted Feb. 4.

O., Parma (Cleveland P. O.)—SCHOOL—Bd. Educ., I. D. Siegfried, clk., 2 story and basement, brick, steel and concrete, West 54th St., from Hebing Co., 1832 West 54th St., Cleveland, $176,900. Noted Feb. 4.

Calif., Los Angeles — HIGH SCHOOL — Bd. Educ., Feb. 10, general contract John Adams Junior High School, 3 story and basement, 148 x 168 ft., brick and rein.-con., from D. Callahan, Lankershim Bldg., $143,000. Noted Feb. 4.

Calif., Oakland — HIGH SCHOOL — Bd. Educ., Feb. 9, San Leandro Junior High School, 2 story, brick and steel, from Sample & Cody, Call Bldg., San Francisco, $308,000.

CONTRACTS AWARDED

Conn., Bridgeport — SCHOOL — St. Stephens Roman Catholic Parish, S. F. Chernitsky, pastor, 3 story and basement,

See proposal advertisements on page 132, Advertising Section.

Buildings—Educational, Religious (Cont.)

115 x 120 ft., brick and steel, Wordin Ave., to E. E. Bray Co., 164 State St. Archts. est. $200,000. Noted Feb. 18.

N. Y., Brooklyn—PARISH HOUSE and SCHOOL — St. Marks Methodist Episcopal Church, R. M. Moore, rector, 1695 Albermarle Rd., 3 story, brick, steel and stone, plain foundation, Beverly Rd. and East 21st St., to R. H. Hours, 103 Park Ave., New York City. Archts. est. $200,000.

N. Y., Long Beach—SCHOOL—Bd. Educ., brick, steel and stone, plain foundation, Neptune Blvd. and Chester Ave., to J. V. Schaefer, 157 East 44th St., New York City. Archts. est. $175,000. Noted Feb. 11.

N. J., Montclair—SCHOOL—Bd. Educ., New Bedford School, brick, steel and stone, plain foundation, to Reily Bros., 1919 Bway., New York City. Archts. est. $350,000.

N. J., Teaneck (mail West Englewood) —SCHOOL—Bd. Educ. Teaneck Twp., J. H. Ranges, clk., general contract School 2, Teaneck Rd., to W. J. Lange, Inc., Palisade, $74,976. Noted Jan. 7.

Pa., Donora—SCHOOL—School Dist., general contract 2 story and basement, irregular shaped addition to Castner School, to C. W. Shimp, Martins Ferry, Ohio. Archts. est. $150,000. Noted Jan. 28.

La., Bastrop — HIGH SCHOOL — Bd. Educ. Morehouse Parish, 2 story, 122 x 195 ft., brick and concrete, to P. Oliver & Son, Lake Charles, $165,000. Former contract rescinded. Noted Dec. 17.

Ind., Muncie — SCHOOL — Bd. Trustees East Indiana State Normal School, at office Ball Teachers College, Eastern Div., 2 story library and dormitory, at East Indiana Normal School, to A. J. Glaser Co., Muncie, $185,300. Noted Jan. 17.

Mich., Detroit—SCHOOL—Bd. Educ., 1354 Bway. Ave., general contract 2 story and basement, 110 x 200 ft., rein.-con., brick and steel, plain foundation, St. Aubin Ave., to Corrick Bros., 507 Owen Bldg., $202,000; heating, etc., to Drake Avery Co., 210 State St., $59,626. Noted Feb. 18.

Ill., River Forest (mail Oak Park)— HIGH SCHOOL—Trinity High School Corp., c/o Dominican Sisters & Sisters of Rosary, Park Ave., 3 story and basement, 130x300 ft., rein.-con., brick and stone. Lathrop St. near Division St., to E. L. Archibald Co., 111 West Washington St., Chicago. Archts. est. $500,000.

Neb. Bassett—HIGH SCHOOL—E. W. Towle, 2 story 59 x 91 ft., with 23 x 24 ft. extension, rein.-con. and brick to G. C. Bushoon Bros., Fairbury.

Neb., Lincoln — HIGH SCHOOL — J. L. Ludlum, 3 story and basement, 191 x 314 ft., rein.-con., brick and stone., to Olson Constr. Co., 205 Chaplin Bldg., $475,000.

Okla., Tulsa—HIGH SCHOOL—Bd. Educ., C. D. Little, pres., general contract Grover Cleveland Junior High School, 2 story and basement, 116x214 ft., rein.-con. and brick, plain foundation, to J. W. Wilson, 214 Clinton Bldg., $168,486. Noted Dec. 17.

Federal Government Work

BIDS DESIRED

D. C., Wash.—Crusier, etc.—Apr. 1 (extended date) by Navy Dept., C. D. Wilbur, secy., for Scout Cruiser 25; also furnishing turbines and gears for Scout Cruisers 24 and 25; adv. E. N.-R. Feb. 25. Noted Dec. 31.

Ala., Mobile — Remodeling — Mar. 15, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

O., Dayton—Foundations—Mar. 22, at office Constructing Quartermaster, concrete foundations for administration and laboratory buildings, at Wright Field, here; adv. E. N.-R. Feb. 25.

Ind., Michigan City—Remodeling—Mar. 12, by Treas. Dept., at office Supervising Archt., Wash., D. C., 1 story, extension and remodeling U. S. Post Office, here. J. A. Wetmore, acting supervising archt.; adv. E. N.-R. Feb. 25.

BIDS RECEIVED

N. Y., Buffalo—Breakwater—U. S. Engineer Office, Federal Bldg., Feb. 18, concrete superstructure for breakwater in Buffalo Harbor, from O'Brien Constr. Co., Builders Exchange Bldg., Cleveland, O., $39,088. Noted Jan. 28.

O., Cincinnati—Mezzanine—Treas. Dept. at office Supervising Archt., Wash., D. C., mezzanine at U. S. Post Office, here, from David Gordon Building & Constr. Co., Burnet and North Avon Sts., $6,000. Noted Feb. 4.

S. D., Hot Springs—Refrigeration Plant —U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., refrigeration and ice making plant at U. S. Veterans Hospital, here, from Baker Ice Machine Co., 3601 North 16th St., Omaha, Neb., $23,085. Noted Jan. 28.

Calif., San Bernardino—From U. S. Cast Iron Pipe & Fdry. Co., Wright-Callendar Bldg., Los Angeles, 960 ft. 20 in. "C" bell and spigot c.i. pipe $5.86 per ft., and 2,700 ft. 12 in. centrifugal c.i. pipe $2.319.

CONTRACTS AWARDED

Ky., Louisville—Beartrap Leaves—U. S. Engineer Office, P. O. Box 72, beartrap leaves for Dams 45 and 49, Ohio River, to Nashville Bridge Co., foot Shelby Ave., Nashville, Tenn., $121,700. Noted Feb. 4.

Minn., Fort Snelling (br. St. Paul)—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., plumbing for U. S. Veterans Hospital, here, to W. F. Bunce, 224 Salmon St., Portland, Ore., $167,461; radial brick stack, to Alphons Custodis Chimney Constr. Co., Marquette Bldg., Chicago, Ill., $6,690; heating, H. Kelly & Co., Plymouth Bldg., Minneapolis, Minn., $163,757; and electrical work, to Domestic Utilities Supply Co., Oshkosh, Wis., $83,475. Grand total $421,383. Noted Feb. 18.

Tex., Galveston—Dredging—U. S. Engineer Office, dredging channel between Port Aransas and Corpus Christi, to Atlantic, Gulf & Pacific Co., 15 Park Row, New York City, N. Y., at $0.0839 per cu.yd., total $262,020. Noted Feb. 18.

Calif., San Rafael—Dredging—U. S. Engineer Office, Customs House, San Francisco, dredging in San Rafael Creek, Sect. A, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, $24,162; and Sect. B, to Dutton Dredge Co., Mills Bldg., San Francisco, $12,169. Noted Dec. 17.

Unclassified

PROPOSED WORK

Land Development—Eggertsville, N. Y.—Tiernan, Porter & Doerr, 158 Pearl St., Buffalo, plan homesites, streets, sewers, etc., on 242 acres, Main St. and Bailey Ave., here. To exceed $25,000.

Transmission line—New Albion, N. Y.—Niagara Lockport & Ontario Power Co., Lafayette Bldg., Buffalo, plans extending transmission and distribition systems, here. To exceed $50,000.

Pier—Chester, Pa.—Ford Motor Co., Highland Park, Mich., plans 150x450 ft. rein.-con. and wood pile pier, extending into Delaware River, here. $350,000. A. Kahn, 100 Marquette Bldg., Detroit, Mich., engr.

Wharves, etc.—Miami, Fla.—Voted $1,500,000 bonds, additional wharves, warehouses, docks, etc. and $145,000 bonds, purchasing fire alarm equipment, etc. Noted Jan. 14.

Street Lighting System—Detroit, Mich.—Pub. Lighting Comn., 174 East Atwater St., plans high frequency electrodes on arc lamps, etc. along 4 mi. Woodward Ave. $33,000. F. R. Mistersky, 174 East Atwater St., genl. supt.

Swimming Pool, Golf Course, etc. — Ft. Smith, Ark.—Hardscrabble Country Club, c/o W. J. Echols, pres., Merchants Natl. Bank Bldg., having preliminary plans prepared golf course, club house, swimming pool, walks, drives, etc.

Golf Links, etc.—California—Capuchino Golf Corp. (Harrigan & Widenmuller, interested, 308 Montgomery St., San Francisco) plans golf links and club house in San Mateo Co. between State Highway and Skyline Blvd., approximately 15 mi. from San Francisco. $1,000,000.

Car Barn, Repair and Inspection Shop—San Francisco, Calif.—City and San Francisco Co. plan fireproof car barn, repair and inspection shop, Potrero Ave. $200,000. M. M. O'Shaughnessy, city engr.

Gas Wells—Grimsby, Ont.—Lincoln Gas Co North Woolverton St., making plans drilling natural gas wells in Lincoln Co. $50,000. S. McKechnie, Dunnville, engr.

Pier — Cap-de-la-Madeleine, Que. — St. Maurice Valley Corp., plans wooden crib pier. $30,000. G. W. Slater, Cap-de-la-Madeleine, engr.

BIDS DESIRED

Fire Alarm System—New York, N. Y.—Mar. 1, Fire Dept., Municipal Bldg., constructing portion underground fire alarm system.

Subway—New York, N. Y.—Mar. 4, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., subway connecting Manhattan-Bronx Subway to Manhattan Elevated Line, Agreement "EE."

Conduit—Baltimore, Md.—Mar. 3, by Bd. Awards, vitr. clay conduit for Bureau Mechanical-Electrical Service. C. F. Goob, City Hall, engr.

Heating, Ventilating, etc.—Indianapolis, Ind.—Mar. 6, Bd. City Comrs., 150 North Meridian St., heating, ventilating, plumbing and sewerage work, etc., in School 78, Vermont St. and Sherman Dr. E. D. Pierre, 1134 Hume-Mansur Bldg., archt.

Lighting System—Chicago, Ill.—Mar. 4, by Board Local Impvts., Room 207, City Hall, street lighting system for Sects. 5-B, 6, 7, 8 and 9 of South Water Street Improvement. $50,000. T. A. Evans, engr. in charge.

Gas Holder—Appleton, Wis.—Wisconsin Traction, Light & Power Co., 112 E. College Ave., taking bids 500,000 cu.ft. gas holder, steel, new gas bench, etc. $300,000.

Asphalt Plant Equipment — Milwaukee, Wis. — Mar. 15, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, stationary asphalt plant equipment.

Filtration Equipment — London, Ont. — London Utilities Comn., E. V. Buchanan, genl. mgr., taking bids filtration equipment for swimming ponds. $30,000.

BIDS RECEIVED

Timber Flume, etc.—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, Feb. 19, constructing timber flume and signal tower foundations at Coney Island Yard, Shell Rd., here, from J. H. Duncan, Inc., 5718 2nd Ave., $271,292. Noted Feb. 18.

Heating, etc.—Ithaca, N. Y.—C. D. Bostwich, comptroller Cornell University, Jan. 26, heating and sanitary work, underground service connections, etc. for greenhouses at Dept. Floriculture and Vegetable Gardening at New York State College of Agriculture, here, from Holloran Bros., Elmira, $14,890. Noted Dec. 31.

Ornamental Lighting System—Glendale, Calif.—Ornamental street light system in portions San Fernando Rd. and Western Ave., from K. D. Miller, 218 South Greenleaf Ave., Whittier, $30,285.

Ornamental Lighting System — Long Beach, Calif.—Ornamental lighting system on Locust Ave. between 10th St. and Ocean Blvd., from J. C. Perry, Detwiler Bldg., Los Angeles, $33,750.

CONTRACTS AWARDED

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., subway Route 78, Sect. 8, along and under Fort Washington Ave., to S. B. Mason, 7 West 69th St., $1,967,641. Noted Feb. 11.

Land Development—St. Augustine, Fla.—D. P. Davis Properties, developing Davis Shores, incl. hotels, yacht club, casino, pools, 44 mi. street paving, 87 mi. sidewalks and curbing, 9 bridges, lighting system, water and gas mains, sewage disposal drains, etc., to Foundation Co., 120 Liberty St., New York City, N. Y., between $8,000,000 and $10,000,000.

Culverts—Sigourney, Ia.—See "Streets and Roads."

Materials

BIDS DESIRED

Pitch—New York, N. Y.—Mar. 3, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., 150 tons pitch joint filler.

Cement, Limestone Dust, etc.—Scranton, Pa.—Feb. 27, by W. A. Schunk, dir. Dept. Pub. Wks., at office of Mayor 600 tons each of asphaltic cement, limestone dust and washed sand, also 6 cars Portland cement and 1 car each of 10 and 12 in. standard terra cotta sewer pipe, etc.

Granite Blocks—Chicago, Ill.—Mar. 1, by City, Room 406 City Hall, 500 tons granite paving blocks f.o.b. cars at Municipal Plant Warehouse, 3150 South Sacramento Ave. A. A. Sprague, city comr.

Cables, etc.—Evansville, Ind.—Mar. 12, Bd. Pub. Safety, 1,815 ft. 4 steel taped parkway cable, 2,235 ft. 14 spinal weave cable, 14 fire alarm pedestals, 16 fire alarm boxes, etc.

BIDS RECEIVED

Sand Grit—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Feb. 17, 3,000 cu.yd. sand grit also 3,000 cu.yd. concrete and paving sand, from Rosoff Sand & Gravel Corp., 152 West 42nd St., New York City, $4,335 each. Noted Feb. 11.

CONTRACTS AWARDED

Gravel — Holly Springs, Miss. — See "Streets and Roads."

See proposal advertisements on page 132, Advertising Section.

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